

Replacement Parts

<u>Applies to</u>: Serial No. Explanation; Model No. Explanation; Replacement Ignition Systems and Gas Valves by Serial No. Code; and Maxitrol System Components by Serial No. Suffix

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WARNINGS

Selection of replacement control parts from this manual and all servicing to Reznor[®] products must be done by a Reznor[®] Distributor or other qualified technician. Improper selection or servicing could result in severe personal injury, death, or property damage. Thomas & Betts Corporation will accept no responsibility or liability as a result of improper servicing of Reznor[®] products. In the United States, all installations of Reznor[®] gas-fired products must be in accordance with the Standards of the NFPA (National Fire Protection Association), the National Fuel Gas Code, and all local authorities. In Canada, all installations of Reznor[®] gas-fired products must be in accordance with the CAN/CSA Installation Code for Gas Burning Appliances and Equipment and all provincial and local authorities.

SAFETY WARNINGS AND GUIDELINES FOR A QUALIFIED SERVICE TECHNICIAN

- When selecting a replacement control, always have the complete Model No. and Serial No. of the heater. (See pages 2-4 for instructions on decoding those numbers.) If the model and serial number are not available, contact your Reznor[®] Representative. DO NOT SELECT REPLACEMENT CONTROLS WITH-OUT COMPLETE INFORMATION.
- Before servicing a heater, always turn off the gas and the power supply. Because of the electrical safety features, never turn off the power supply without turning off the gas.
- The electrical operating valve is the primary safety shutoff. The gas supply line must be free of dirt or scale before connecting the valve.
- Leak test all gas connections including pilot connections. Test using a commercial leak detecting or a soap solution. WARNING: DO NOT TEST WITH OPEN FLAME. If a leak cannot be stopped by tightening, replace the part.
- In the event of pilot outage or improper ignition, wait at least five minutes before attempting to relight the heater.
- After any service is completed, always test for proper operation. Re-connect the electrical supply and turn on the gas. Verify against operating sequence information on the heater and in the heater installation manual. Safety check the installation and equipment. CHECK THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.

FOR YOUR SAFETY

WARNINGS

The use and storage of gasoline or other flammable vapors and liquids in the vicinity of this heating appliance is hazardous.

DANGER

The gas burner in all Reznor[®] gas-fired equipment is designed and equipped to provide safe, complete combustion. However if the installation does not permit the burner to receive the proper supply of combustion air, complete combustion may not occur. The result is incomplete combustion which produces carbon monoxide, a poisonous gas that can cause death. Safe operation of indirect-fired gas burning equipment requires a properly operating vent system which vents all the products to the outside atmosphere. Failure to provide proper venting will result in a health hazard which could cause serious personal injury or death.

Always comply with the combustion air requirements in the installation codes and instructions. Combustion air at the burner should be regulated only by manufacturer-provided equipment. NEVER RESTRICT OR OTHERWISE ALTER THE SUPPLY OF COMBUSTION AIR TO ANY HEATER. Indoor units installed in a confined space must be supplied with air for combustion as required by code and in the installation manual. ON INDIRECT-FIRED EQUIPMENT, MAINTAIN THE VENT SYSTEM IN PROPERLY FUNCTIONING CONDITION. Direct-fired and other unvented installations should provide for air changes as required by applicable installation codes.

| Instructions | <u>Serial No. Codes</u> - Identify the code of the valve or ignition controller needing replacement. |
|-----------------|---|
| for Selecting a | Serial No. Codes are defined on pages 3-5. IMPORTANT NOTE: Serial No. and Model No. Codes apply only to original equipment. |
| Replacement | IGNITION CONTROLLER - To select the replacement ignition controller, locate the Serial No. |

safety pilot code in the listing on pages 6-10. Select carefully, reading all applicable notes. If the part is no longer available from Thomas & Betts, a functional replacement or alternative instructions are listed.

VALVE - To select a replacement valve, locate the Serial No. valve code in the listing on pages 12-19. The valve supplied on the heater is described. If the valve is no longer available from Thomas & Betts, a functional replacement or alternative instructions may be listed. Select carefully, reading all applicable notes. All valve code notes are on pages 20-22. See pages 23-27 for representative illustrations of valves.

| VALVE WIRING TERMINAL IDENTIFICATION/WIRE COLOR | | | | | | | | |
|---|-------------------|-------|-------------------|------------|--|--|--|--|
| Valve Manufacturer | Common | Pilot | Main or Low Stage | High Stage | | | | |
| | TR | TH-TR | TH | | | | | |
| Honeywell | PV-MV | PV | MV | | | | | |
| | С | PV | MV | H1 | | | | |
| | С | Р | М | | | | | |
| White-Rodgers | C1-C2 | | W1 | W2 | | | | |
| - | 2 | 4 | 1 | 3 | | | | |
| Robertshaw | С | Р | М | | | | | |
| Original Wire Color (exceptions possible) | White or Brown | Blue | Black | Red | | | | |

IMPORTANT: The controls identified in this form are the controls factory-installed on units manufactured beginning in 1963. Much of the earlier information provided is for reference only and does not mean that replacing parts is recommended or that replacement parts are available. See date code information on page 4.

IMPORTANT ORDERING REMINDERS

- 1. Always include complete heater model and serial number so that any specification change can be considered for parts shipment. It can save time and expense.
- 2. Specifications are subject to change without notice.
- 3. We reserve the right to substitute functional replacements.
- 4. Order either by Kit or Component Part No.

Ignition Controller

and/or Valve

Serial Number and Model Codes

Example of a Rating Plate that applies to most Reznor® Models showing Model and Serial Numbers

| DESIGN | Serial No. Decoding |
|--|---|
| REZNOR | Sample of a Serial No. for Units manufactured from 1963 through 1974: |
| Mercer, PA 16137 | OA 1 2 N 693 Serial No. |
| DUCT FURNACE | 1 2 3 4 5 Element |
| CATEGORY I | |
| DESIGN CERTIFIED UNDER ANSI Z83.8a-1998 | Sample of a Serial No. for Units manufactured beginning in 1975: |
| DUCT FURNACE | BDJ 66 W8 N 12345 Serial No. |
| MODEL HX100E-8-S OCT 2004 | 1 2 3 4 5 Element |
| SERIAL# EBDJ66W8N12345 | Element Key: |
| 115 VOLTS 1PH 60HZ MAXIMUM TOTAL INPUT .5AMPS | 1 = Month and Year of manufacture; see page 4. |
| ORIFICE SIZE #41 DRILL HAS BEEN FACTORY ADJUSTED | 2 = Type of safety pilot or ignition system; see pages 6-10 for Code |
| FOR USE AT 0-2000 FEET (0-610 METERS) OF ALTITUDE SEA LEVEL ALT ADJUSTED | explanation. |
| NORMAL INPUT 100000 100000 BTU/HR | 3 = Type of valve; see pages 12-22 for Code explanation and illustra- |
| OUTPUT CAPACITY 80000 80000 BTU/HR MIN. INPUT (2, M, MB, MV MODELS) 50000 50000 BTU/HR | tions on pages 23-27. (A dash indicates that the valve was field supplied.) |
| NORMAL MANIFOLD PRESSURE 3.5 IN. W.C. | 4 = Type of gas that the heater was originally manufactured to burn |
| MIN. PERMISSIBLE GAS SUPPLY PRESSURE FOR PURPOSE OF INPUT ADJUSTMENT 5.0 IN. W.C. | D = Dual fuel, natural and propane; L = Propane; N = Natural |
| MAXIMUM THROUGHPUT 3704 CFM | (Check for gas conversion label.) |
| MINIMUM THROUGHPUT 988 CFM | 5 = Consecutive number of heater manufactured. Used for identifi- |
| CLEARANCE TO COMBUSTIBLE CONSTRUCTION: TOP - 6"; | cation purposes only. |
| FLUE CONNECTION - 6"; SERVICE SIDE - WIDTH OF UNIT; OPPOSITE SIDE - 6"; BOTTOM - 3", MAY BE INSTALLED ON | In addition to the basic five elements, the serial number may also include |
| NONCOMBUSTIBLE FLOORS. | prefix and/or suffix codes. See page 5 for a listing and explanation of |
| INSTALL ON THE POSITIVE PRESSURE SIDE OF AIR CIRCULATING BLOWER. | these codes. All codes apply to original equipment only. |
| THIS UNIT MAY BE INSTALLED DOWNSTREAM FROM A | |
| REFRIGERATION SYSTEM (USE DRAIN OPTION CS1). | |
| FOR ALTERNATE INSTALLATION, USE THE LATEST OF THE APPROPRIATE STANDARDS LISTED BELOW: | |
| FOR AIRCRAFT HANGARS USE STANDARD ANSI/NFPA 409 | |
| FOR PARKING STRUCTURES USE STANDARD ANSI/NFPA 88A FOR REPAIR GARAGES USE STANDARD ANSI/NFPA 88B | |
| | |

Example of a Reznor[®] MAPS[®] Unit Rating Plate Showing Model and Serial Numbers

| | | - | | | | | | | |
|------------------------------------|--------------------------|-----------|--------|-------------|--|--|--|--|--|
| | MERCER, PA, U.S.A. 16137 | | | | | | | | |
| | | IN USA | | | | | | | |
| FOR INDUSTRIAL/COMMERCIAL US | E ONL | Y | | | | | | | |
| SUITABLE FOR OUTDOOR | USE | | | | | | | | |
| MODEL [A] | гві | | | | | | | | |
| SERIAL NO. [| | 1 | | | | | | | |
| · · · | | ELECT | RICAI | | | | | | |
| [D] VOLTS +/- 10% [D] PHASE [D] HZ | , | | | | | | | | |
| MINIMUM CIRCUIT AMPACITY (MCA | | [F] AMPS | | | | | | | |
| MAXIMUM FUSE SIZE/*CKT BREAK | | | | | | | | | |
| MAXIMON TOSE SIZE/ CRT BREAK | | | EA) H | | | | | | |
| SUPPLY AIR BLOWER MOTOR | | | LA, I | . , | | | | | |
| CONDENSER FAN MOTOR (S) | | | | | | | | | |
| | QTY | | | RA (EA) | | | | | |
| COMPRESSOR A | [H] | [1] | | [J] | | | | | |
| COMPRESSOR B | [K] | [L] | | [M] | | | | | |
| COMPRESSOR C | [N] | [0] | | [P] | | | | | |
| COMPRESSOR D | [Q] | [R] | | [S] | | | | | |
| COMPRESSOR E | [GG] | | | <u>[]</u>] | | | | | |
| CIRCUITS | | B C | - | - | | | | | |
| REFRIGERANT - R-410a CHARGE - LBS | | | | - | | | | | |
| TEST PRESSURES | | 600PSIG | | | | | | | |
| EQUIPPED FOR OPERATION AT AN | AIR FL | OW OF [| CC] | SCFM | | | | | |
| AGAINST A STATIC PRESSURE OF | [DD] | INCHES WA | TER CO | DLUMN | | | | | |
| DRIVE RPM [EE] | | | | | | | | | |
| WIRE DIAGRAM [FF] | | | | | | | | | |
| REFER TO RATING PLATE IN THE FU | JRNAC | E SECTION | (WHEN | USED) | | | | | |
| FOR ADDITIONAL INFORMATION. | | | | | | | | | |
| *HACR TYPE REQUIRED PER NEC | | | | | | | | | |

Rating Plate Key for MAPS[®] Model Series RCA, RDA, RCB, RDB, RCC, and RDC: (NOTE: To decode a MAPS Serial No., see page 4.)

| | 90 II) |
|--|--|
| A = Model | CC = SCFM Airflow |
| B = Manufacturing Date (Month/Year) | DD = External |
| C = Blower Motor HP | Static Pressure |
| D = Volts/Phase/Hertz | (" W.C.) |
| E = Full Load Amps (FLA) of Blower Motor | EE = Drive (Option |
| F = Minimum Circuit Ampacity (MCA) | AM) |
| G = Maximum Fuse Size (MOP) | FF = Wiring Dia- |
| H = Quantity - Compressor A | gram No. |
| I = Rated Load Amps of Compressor A | GG = Quantity - |
| J = Locked Rotor Amps of Compressor A | Compressor E |
| K = Quantity - Compressor B | HH = Rated Load |
| L = Rated Load Amps of Compressor B | Amps of Com- |
| M = Locked Rotor Amps of Compressor B | pressor E |
| N = Quantity - Compressor C | II = Locked Rotor |
| O = Rated Load Amps of Compressor C | Amps of Com- |
| P = Locked Rotor Amps of Compressor C | pressor E |
| Q = Quantity - Compressor D | JJ = Refrigerant |
| R = Rated Load Amps of Compressor D | Charge (lbs) - |
| S = Locked Rotor Amps of Compressor D | Circuit E |
| T = Quantity Condenser Fan Motors | |
| U = Rated Load Amps of Condenser(s) | |
| V = Refrigerant Charge (lbs) - Circuit A | |
| W = Refrigerant Charge (lbs) - Circuit B | |
| X = Refrigerant Charge (lbs) - Circuit C | |
| Y = Refrigerant Charge (lbs) - Circuit D | |
| | A = Model B = Manufacturing Date (Month/Year) C = Blower Motor HP D = Volts/Phase/Hertz E = Full Load Amps (FLA) of Blower Motor F = Minimum Circuit Ampacity (MCA) G = Maximum Fuse Size (MOP) H = Quantity - Compressor A I = Rated Load Amps of Compressor A J = Locked Rotor Amps of Compressor A K = Quantity - Compressor B L = Rated Load Amps of Compressor B M = Locked Rotor Amps of Compressor B M = Locked Rotor Amps of Compressor C O = Rated Load Amps of Compressor C Q = Quantity - Compressor D R = Rated Load Amps of Compressor D S = Locked Rotor Amps of Compressor D S = Locked Ro |

Z = Condenser Fan Motor HP

| Serial | Decoding a MAPS [®] Unit Serial No. | | | | | |
|-----------|---|--|---------------------------------------|-----|--|--|
| Number | | l No. Sample: | <u>3 BIJ 789 BK 08 N 96 7D</u> | 1/2 | | |
| and Model | | ents of No.: | 1 2 3 4 5 6 7 8 | 3/4 | | |
| Codes | Elements 1-5 apply to all MAPS [®] models. | | | | | |
| (cont'd) | Elements 6-8 apply to a MAPS [®] with a gas heat section . | | | | | |
| (00110) | | ber P-MAPSII or P-MAPSIII) xplanation on the right.) | 3 (3450 5 (3450 7-1 15 10 | | | |

- 6 = Type of Gas (N = Natural)
- 7 = Ignition CODE (See pages 6-10.) 8 = Valve CODE (See pages 12-22.)

or HP Serial No. Code /2 03 8/4 04 1 05 -1/2 06 2 07 50 rpm) 08 50 rpm) 09 . -1/2 11 15 10 12 13 20 14 3 (1800rpm) 15 5 (1800rpm) 16

Serial Number Key - Month and Year of Manufacture

| Ochan i | unner | ney - | | | | inulaci | uie | | | | | |
|---------|-------|-------|-----|-----|-----|---------|------|-----|------|-----|-----|-----|
| Year | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| 1963 | OA | OB | OC | OD | OE | OF | OG | OH | OI | OJ | OK | OL |
| 1964 | PA | PB | PC | PD | PE | PF | PG | PH | PI | PJ | PK | PL |
| 1965 | QA | QB | QC | QD | QE | QF | QG | QH | QI | QJ | QK | QL |
| 1966 | RA | RB | RC | RD | RE | RF | RG | RH | RI | RJ | RK | RL |
| 1967 | SA | SB | SC | SD | SE | SF | SG | SH | SI | SJ | SK | SL |
| 1968 | TA | TB | TC | TD | TE | TF | TG | TH | TI | TJ | ТК | TL |
| 1969 | UA | UB | UC | UD | UE | UF | UG | UH | UI | UJ | UK | UL |
| 1970 | VA | VB | VC | VD | VE | VF | VG | VH | VI | VJ | VK | VL |
| 1971 | WA | WB | WC | WD | WE | WF | WG | WH | WI | WJ | WK | WL |
| 1972 | XA | XB | XC | XD | XE | XF | XG | XH | XI | XJ | XK | XL |
| 1973 | YA | YB | YC | YD | YE | YF | YG | YH | YI | YJ | YK | YL |
| 1974 | ZA | ZB | ZC | ZD | ZE | ZF | ZG | ZH | ZI | ZJ | ZK | ZL |
| 1975 | AAA | AAB | AAC | AAD | AAE | AAF | AAG | AAH | AAI | AAJ | AAK | AAL |
| 1976 | ABA | ABB | ABC | ABD | ABE | ABF | ABG | ABH | ABI | ABJ | ABK | ABL |
| 1977 | ACA | ACB | ACC | ACD | ACE | ACF | ACG | ACH | ACI | ACJ | ACK | ACL |
| 1978 | ADA | ADB | ADC | ADD | ADE | ADF | ADG | ADH | ADI | ADJ | ADK | ADL |
| 1979 | AEA | AEB | AEC | AED | AEE | AEF | AEG | AEH | AEI | AEJ | AEK | AEL |
| 1980 | AFA | AFB | AFC | AFD | AFE | AFF | AFG | AFH | AFI | AFJ | AFK | AFL |
| 1981 | AGA | AGB | AGC | AGD | AGE | AGF | AGG | AGH | AGI | AGJ | AGK | AGL |
| 1982 | AHA | AHB | AHC | AHD | AHE | AHF | AHG | AHH | AHI | AHJ | AHK | AHL |
| 1983 | AIA | AIB | AIC | AID | AIE | AIF | AIG | AIH | All | AIJ | AIK | AIL |
| 1984 | AJA | AJB | AJC | AJD | AJE | AJF | AJG | AJH | AJI | AJJ | AJK | AJL |
| 1985 | AKA | AKB | AKC | AKD | AKE | AKF | AKG | AKH | AKI | AKJ | AKK | AKL |
| 1986 | ALA | ALB | ALC | ALD | ALE | ALF | ALG | ALH | ALI | ALJ | ALK | ALL |
| 1987 | AMA | AMB | AMC | AMD | AME | AMF | AMG | AMH | AMI | AMJ | AMK | AML |
| 1988 | ANA | ANB | ANC | AND | ANE | ANF | ANG | ANH | ANI | ANJ | ANK | ANL |
| 1989 | AOA | AOB | AOC | AOD | AOE | AOE | AOG | AOH | AOI | AOJ | AOK | AOL |
| 1990 | APA | APB | APC | APD | APE | APF | APG | APH | API | APJ | APK | APL |
| 1991 | AQA | AQB | AQC | AQD | AQE | AQF | AQG | AQH | AQI | AQJ | AQK | AQL |
| 1992 | ARA | ARB | ARC | ARD | ARE | ARF | ARG | ARH | ARI | ARJ | ARK | ARL |
| 1993 | ASA | ASB | ASC | ASD | ASE | ASF | ASG | ASH | ASI | ASJ | ASK | ASL |
| 1994 | ATA | ATB | ATC | ATD | ATE | ATF | ATG | ATH | ATI | ATJ | ATK | ATL |
| 1995 | AUA | AUB | AUC | AUD | AUE | AUF | AUG | AUH | AUI | AUJ | AUK | AUL |
| 1996 | AVA | AVB | AVC | AVD | AVE | AVF | AVG | AVH | AVI | AVJ | AVK | AVL |
| 1997 | AWA | AWB | AWC | AWD | AWE | AWF | AWG | AWH | AWI | AWJ | AWK | AWL |
| 1998 | AXA | AXB | AXC | AXD | AXE | AXF | AXG | AXH | AXI | AXJ | AXK | AXL |
| 1999 | AYA | AYB | AYC | AYD | AYE | AYF | AYG | AYH | AYI | AYJ | AYK | AYL |
| 2000 | AZA | AZB | AZC | AZD | AZE | AZF | AZG | AZH | AZI | AZJ | AZK | AZL |
| 2001 | BAA | BAB | BAC | BAD | BAE | BAF | BAG | BAH | BAI | BAJ | BAK | BAL |
| 2002 | BBA | BBB | BBC | BBD | BBE | BBF | BBG | BBH | BBI | BBJ | BBK | BBL |
| 2003 | BCA | BCB | BCC | BCD | BCE | BCF | BCG | BCH | BCI | BCJ | BCK | BCL |
| 2004 | BDA | BDB | BDC | BDD | BDE | BDF | BDG | BDH | BDI | BDJ | BDK | BDL |
| 2005 | BEA | BEB | BEC | BED | BEE | BEF | BEG | BEH | BEI | BEJ | BEK | BEL |
| 2006 | BFA | BFB | BFC | BFD | BFE | BFF | BFG | BFH | BFI | BFJ | BFK | BFL |
| 2007 | BGA | BGB | BGC | BGD | BGE | BGF | BGG | BGH | BGI | BGJ | BGK | BGL |
| 2008 | BHA | BHB | BHC | BHD | BHE | BHF | BHG | BHH | BHI | BHJ | BHK | BHL |
| 2009 | BIA | BIB | BIC | BID | BIE | BIF | BIG | BIH | BII | BIJ | BIK | BIL |
| 2010 | BJA | BJB | BJC | BJD | BJE | BJF | BJG | BJH | BJI | BJJ | BJK | BJL |
| 2011 | BKA | BKB | BKC | BKD | BKE | BKF | BKG | BKH | BKI | BKJ | BKK | BKL |
| 2012 | BLA | BLB | BLC | BLD | BLE | BLF | BLG | BLH | BLI | BLJ | BLK | BLL |
| 2013 | BMA | BMB | BMC | BMD | BME | BMF | BMG | BMH | BMI | BMJ | BMK | BML |
| 2014 | BNA | BNB | BNC | BND | BNE | BNF | BNG | BNH | BNI | BNJ | BNK | BNL |
| 2015 | BOA | BOB | BOC | BOD | BOE | BOF | BOG | BOH | BOI | BOJ | BOK | BOL |
| 2016 | BPA | BPB | BPC | BPD | BPE | BPF | BPG | BPH | BPI | BPJ | BPK | BPL |
| 2017 | BQA | BQB | BQC | BQD | BQE | BQF | BQG | BQH | BQI | BQJ | BQK | BQL |
| 2018 | BRA | BRB | BRC | BRD | BRE | BRF | BRG | BRH | BRI | BRJ | BRK | BRL |

Form P-VALVES, P/N 263995, Page 4

Heater Serial No. PREFIX and SUFFIX Codes

In addition to the five elements found in every serial number, the heater serial number may be coded with prefixes and suffixes that further identify optional equipment or capabilities applicable to that particular unit. All prefix and suffix codes are listed below. See pages 3-4 for explanation of the basic elements of a serial number.

Serial Number PREFIX Codes and Definitions:

| E = E S = 3 Serial Num Code E B = B | Explanation E3 (409) stainless steel heat exchanger B16 or 321 stainless steel heat exchanger Ber SUFFIX Codes and Definitions: Explanation Baso pilot (indicates Baso pilot in place of General Controls pilot) Constant air volume |] |
|---|--|--|
| S = 3 Serial Num Code E B = B | 316 or 321 stainless steel heat exchanger nber SUFFIX Codes and Definitions: Explanation Baso pilot (indicates Baso pilot in place of General Controls pilot) |] |
| Serial Num Code E B = B | nber SUFFIX Codes and Definitions: Explanation Baso pilot (indicates Baso pilot in place of General Controls pilot) | |
| Code E B = B | Explanation Baso pilot (indicates Baso pilot in place of General Controls pilot) | |
| | | |
| CA = C | Constant air volume | |
| | | |
| EE = E | Energy efficient motor | |
| FD = F | Fan duct furnace (spotter) | |
| | High throw fan assembly | |
| MP1 = N | Vodulating gas control with 20%-100% firing rate (AG39) | |
| MP2 = N | Vodulating gas control with 20%-100% firing rate with signal conditioner for DDC (AG40) | 1 |
| MP3 = N | Vodulating gas control 20-100% firing rate on 1st furnace; 2-stage on 2nd (AG41) | 7 |
| MP4 = N | Nodulating gas control 20-100% on 1st furnace; 2-stage on 2nd - w/signal conditioner for DDC (AG42) |] |
| MP5 = 1 | I-stage on 1st furnace; 2-stage on 2nd furnace (AG43) | For a list of components of |
| MP6 = 1 | I-stage on 1st furnace; 2-stage on 2nd furnace - with signal conditioner for DDC (AG44) | Maxitrol electronic modulation systems used on Model Series X, |
| MV1 = N | Vaxitrol 20AH Electronic Modulation (50-100%) System (AG7 for single furnace) | SC, RX, RPV, RG, RP, and EEDU |
| MV2 = N | Naxitrol 30AH Electronic Modulation (50-100%) System (AG7 for multiple furnaces) | indirect-fired equipment, see pag- |
| MV3 = N | Vaxitrol 21H Electronic Modulation (50-100%) System (AG8 for single furnace) | es 25-27. For list of components |
| MV4 = N | Vaxitrol 21HR Electronic Modulation (50-100%) System (AG9 for single furnace) | of Maxitrol electronic modulation |
| MV5 = N | Vaxitrol 31H Electronic Modulation (50-100%) System (AG8 for multiple furnaces) | systems used on Model Series ADF, DV, and RDFdirect-fired |
| MV6 = N | Vaxitrol 31HR Electronic Modulation (50-100%) System (AG9 for multiple furnaces) | equipment, see pages 27-28. |
| MV7 = N | Vaxitrol 14 Electronic Modulation System (AG30 and AG31) | |
| MV8 = N | Vaxitrol 14A and 14B Electronic Modulation Systems (AG32 and AG35) | 1 |
| MV9 = N | Vaxitrol 44 Electronic Modulation System (AG33) | 7 |
| MVA = N | Naxitrol Electronic Modulation (50-100%) System w/Signal Conditioner for DDC on Indirect-Fired Equipment (AG21) | 7 |
| MVB = N | Naxitrol 94 Electronic Modulation System for Paint Booth for Direct-Fired Equipment (AG36) | |
| MVC = N | Naxitrol Electronic Modulation System with Signal Conditioner for DDC on Direct-Fired Equipment (AG37) | (Reference NOTE: For PREEVA |
| MVD = N | Naxitrol DFM14E Digital Control System (AG47) (Direct-fired RDF or DV) | indirect-fired models, see Form P-PREEVA for modulation control |
| MVE = N | Maxitrol DFM 44E Digital Control System (AG48) (Direct-fired RDF or DV) | components.) |
| MVF = N | Maxitrol DFM 44E Digital Control System with Remote Sensor (AG51) (RDF or DV) | |
| RA = R | Recirculation air | |
| TE = T | Fotally enclosed motor | |
| - | Two speed motor | |
| VA = V | /ariable air volume | |
| X = N | Vanufactured in Mexico | |

Model No. Decoding

HX 100 8 S Model Size Series Suffix

The Model No. may or may not include suffix code(s) that further identify the heater. See the listing in the table for their identification.

*Effective 12/96, Codes J, JR, and Y are no longer used.

Heater Model No. SUFFIX Codes

| SUFFIX Code | | Explanation |
|----------------|---|---|
| -2 | = | Two stage heating/MUA control |
| -2L | = | Two stage control (heating/MUA) with 33% low fire and constant thermal efficiency (AG60, AG61, AG62) |
| -C | = | Unit with a C.G.A. rating plate |
| -CV | = | Common vent |
| -D2 | = | Digital control, space temperature, 2-stage heating/3-stage cooling (DG1) |
| -D2J | = | Digital control, electronic modulation heating/3-stage cooling (DG2) |
| -DM | = | Digital control, discharge temperature (makeup air), 2-stage heating/3-stage cooling (DG5) |
| -DMJ | = | Digital control, discharge temperature (makeup air), electronic modulation heating/3-stage cooling (DG6) |
| -E | = | Intermittent spark pilot (Applies to Models F, B, X, XE, XL, XLB that have a standard match lit pilot; models |
| | | that have a standard spark pilot do not have this code.) |
| <u>-H</u> | | Orificed for high altitude |
| -IL | | Manifold arrangement and remote console for Illinois School Code |
| * -J | | Makeup air (code appears on blower cabinet plate only) |
| * -JR | = | Makeup air with evaporative cooling (code appears on blower cabinet plate only) |
| -LN | = | Low noise |
| -M | = | Mechanical modulation |
| -MB | = | Mechanical modulation with full fire bypass |
| -MP | = | Electronic modulation (20-100% firing rate) |
| -MV | = | Electronic modulation (50-100% firing rate) |
| -R | = | Evaporative cooling |
| -S | = | Stainless steel heat exchanger |
| -W | = | Wide heater cabinet on Models RX75 and 100 Series 5 and 6 |
| * -Y | = | High fire lightoff |
| -Z | = | Equipped with "Z" baffle for 4-foot stack extension |

Safety Pilot or Ignition System Originally Supplied, Identified by Serial No. Code --See Serial No. Decoding on pages 3-4. (N/A = Not available; see other notes below.)

| Serial No. Code | Mfr 1 | Description | Replacement P/N ² |
|--------------------|------------|--|--------------------------------------|
| 1 | | 8856-5 | ³ N/A |
| 2 | J/C | 861-4 | ³N/A |
| 3 | G/C | A100G741 (3-wire) | ³ N/A |
| 4 | | 856-A5 | ³ N/A |
| 5 | | 619 Automatic relight system - 115 volt transformer | ³ N/A |
| 6 | | 619 Automatic relight system - 220 volt transformer | ³ N/A |
| 7 | | 619 Automatic relight system - 24 volt transformer | ³ N/A |
| 8 | | A100G544 (2-wire) | ³ N/A |
| 9 | | Safety Pilot is part of B57, B59 valve | ³ N/A |
| 10 | | 32T Automatic relight Remote push button relighting system non-100% shutoff (includes 861-4, 115 volt push button station) | N/A ³N/A |
| 01 02 | | Remote push button relighting system non-100% shutoff (includes 861-4, 230 volt push button station) | ³ N/A |
| 03 | J/C | Remote push button relighting system 100% shutoff (includes 861-4, 115 volt pilot valve, 115 volt push button station) button station) | ³ N/A |
| 04 | J/C | Remote push button relighting system 100% shutoff (includes 861-4, 230 volt pilot valve, 230 volt push button station) | ³N/A |
| 05 | J/C | Remote push button relighting system non-100% shutoff (includes 861-4, 24 volt push button station) | ³N/A |
| 06 | J/C | Remote push button relighting system 100% shutoff (includes 861-4, 24 volt pilot valve, 24 volt push button station) | ³N/A |
| 07 | Т | 32T Recycling safety pilot switch | ³N/A |
| 08 | | Safety pilot is part of Baso 92D2204A valve | ³N/A |
| 09 | | Safety pilot is part of Baso CS212A-2 | ³ N/A |
| 11 | | Safety pilot is part of Baso CS222A-1 | ³ N/A |
| 12 | | Safety pilot is part of M/H Y343B | ³ N/A |
| 13 | | G13BG01 spark ignition system | ³ N/A ³ N/A |
| <u>14</u> 15 | | RA890E protector relay Part of G-28 spark ignition, non-100% shutoff | ³ N/A 3N/A |
| 15 | | Part of G-28 spark ignition, non-100% shuton Part of 67800-2T's master control | ³ N/A |
| 17 | | | ³ N/A |
| | | G18MG02 spark ignition system - For replacement, use ignition conversion package | |
| 18 | | C591A002 pilotstat | ³ N/A |
| 19 20 | | G19MG02 automatic relight, 100% shutoff - For replacement, use ignition conversion package 30A48 with 50" lead | ³N/A ³N/A |
| 21 | | 30A46 with 50" lead | ³ N/A |
| 21 | | G29BG01 automatic relight, non-100% - For replacement, use ignition conversion package | ³ N/A |
| 23 | J/C | G29BG02 automatic relight, 100% shutoff - For replacement, use ignition conversion package | ³ N/A |
| 24 | | 830 - 1/2 safety pilot valve | ³ N/A |
| 25 | | G28MG01, 100% (Model RHD Series) | ³ N/A |
| 26 | F | Spark ignition system 05-120103-000 with combination valve, 100% shutoff - See Code 32 | ³ N/A |
| 27 | | 861-4 | ³ N/A |
| 28 | | A100G741 | ³ N/A |
| 29 | | G19 Automatic relight system - For replacement, use ignition conversion package | ³ N/A |
| 30 | | A100G544 | ³ N/A |
| 31 | 0.0 | Part of combination valve with standing pilot | |
| | | Spark ignition, non-100% | 3 NI/A |
| 32 | F | | ³ N/A |
| 33 | J/C | G18BG02 spark ignition, non-100% | ³ N/A |
| 34 | J/C | G33BAG-1 spark ignition, 100% shutoff - For replacement, use ignition conversion package | ³N/A |
| 35 | F | 05-13031-501 spark ignition, 100% shutoff (Model DFT) | ³N/A |
| 36 | F | G13CG-1 spark ignition, 100% shutoff (Model DFT) | ³ N/A |
| 37 | M/H G/C | R4795A-1016 spark ignition, 100% shutoff | ³ N/A ³ N/A |
| | | with K3R11A2N4 pilot line solenoid valve (Model DFT) | |
| 38 | W/R | 5070A-1 spark ignition, 100% shutoff (Model DFT) | ³ N/A |
| 39 | M/H | R4795A-1016 spark ignition, 100% shutoff | ³N/A |
| | G/C | with K3R11A2N4 pilot line solenoid valve (Model DFT) | ³ N/A |
| 40 | J/C | G60AAG-3 ignition controller (used with 100% recycling pilot) | ³ N/A |
| 41 | J/C | G60AAG-3 ignition controller (used with non-100% relight) | ³ N/A |
| 42 | J/C | G60AAG-3 ignition controller (used with 100% shutoff and Y79 lockout device) | ³ N/A |
| | | | |
| 43 | F | No. 05-142202-005 spark ignition (Model DFT 250, 260, 295, 325) | ³ N/A |
| 44 | J/C | G60QBG-7 ignition controller with valve and regulator all in one body - | ³N/A |
| 45 | J/C | G60CPG-1 ignition controller, propane gas with separate lockout | ³N/A |
| 46 | J/C | G60QBG-7 ignition controller, natural gas with lockout, Y79 timing device | ³ N/A |
| 47 | J/C | G60PFH ignition controller with lockout all in one body, natural or propane gas | ³ N/A |
| F = Fenwall: | G/C = 0 | General Controls; M/H = Minneapolis Honeywell; J/C = Johnson Controls; T = Thermodisc; W/R = White-I | Rodaers |

¹ F = Fenwall; G/C = General Controls; M/H = Minneapolis Honeywell; J/C = Johnson Controls; T = Thermodisc; W/R = White-Rodgers ² Functional replacement may require field-furnished wiring.

³ This item is no longer available. Suggest you contact the control manufacturer for replacement or functional replacement.

Safety Pilot or Ignition System Originally Supplied, Identified by Serial No. Code (cont'd) --See Serial No. Decoding on pages 3-4. (N/A = Not available; see other notes below.)

| Serial No. Code | Mfr 1 | Description | P/N | Replacement P/N ² |
|--------------------|-------|--|-----------|------------------------------|
| 48 | J/C | G60QRH-1 ignition controller, propane gas valve with regulator and lockout all in one body | N/A | ³ N/A |
| 49 | M/H | L626B3 | N/A | ³ N/A |
| 50 | J/C | G65BCG-1 ignition controller and natural gas valve with regulator all in one body, 1/2" | 67983-N/A | ³ N/A |
| 51 | J/C | G65DCM-1 ignition controller & propane gas valve w/regulator & lockout, 1 body, 1/2" | 68055-N/A | ³ N/A |
| 52 | J/C | G65BBG-4 ignition controller and natural gas valve with regulator all in one body, 1/2" | 79887-N/A | ³ N/A |
| 53 | J/C | G65BKG-2 ignition controller and natural gas valve with regulator all in one body, 3/4" | 79888-N/A | ³ N/A |
| 54 | J/C | G65BCM-1 ignition controller & natural gas valve w/regulator & lockout, 1 body, 1/2" | 79808-N/A | ³ N/A |
| 55 | J/C | G65BBM-3 ignition controller & natural gas valve w/regulator & lockout, 1 body, 1/2" | 84570-N/A | ³ N/A |
| 56 | J/C | G65BKM-2 ignition controller & natural gas valve w/regulator & lockout, 1 body, 3/4" | 79900-N/A | ³ N/A |
| 57 | J/C | G66BMG-1 ignition controller and natural gas valve with regulator and lockout all in one body, 1/2" - Special for export | N/A | ³ N/A |
| 58 | M/H | Solid state flame safeguard, RA890F (flame rectification) | 86972 | To replace with HSI: |
| 50 | | Solid state spark generator, Q624A1006 or Q624A1014 | 86974 | New wiring dia- |
| 59 | M/H | Solid state flame safeguard, RA890G (ultraviolet) | 89409 | gram PLUS Kit P/N |
| 59 | | Solid state spark generator, Q624A1006 or Q624A1014 | 86974 | 146268; or kits with |
| 60 | M/H | Solid state flame safeguard, R7795B (flame rectification) | 89407 | 200VA transformer, |
| 80 | | Solid state spark generator, Q624A1006 or Q624A1014 | 86974 | P/N 146318 (115V); |
| 61 | M/H | Solid state flame safeguard, R7795A (ultraviolet) | 89436 | P/N 146319 (208V, |
| 01 | | Solid state spark generator, Q624A1006 or Q624A1014 | 86974 | 240, 480, 575V) |

| Code | Mfr | Description | P/N | Replaced by | Code | Mfr | Description | P/N | Replaced by |
|------|-----|--|-----------|---|--------|----------------------------|---|--------|----------------------------|
| 62 | J/C | Ignition controller G67BG-2, natural gas or propane on outdoor units only | 89314-N/A | Kit P/N 257472 | 67 | RAM | Hot surface ignition module H4MC2 | 121543 | 204376 (Code 82) |
| 63 | J/C | Ignition controller G67NG-2, natural gas or propane on outdoor units only | 89488-N/A | Kit P/N 257473 | 68 | M/H | Piezo Ignitor Q635A1010 | 125836 | |
| 64 | M/H | Safety pilot for Bell Telephone, L62GB | N/A | N/A 69 | 69 | M/H | Ignition controller GS4S6DD | 134780 | |
| 65 | J/C | Ignition controller G770NGC-4 with lockout, natural | 97547-N/A | Kit P/N 257473 except for | | | | | |
| | | gas or propane | | Model TR, use P/N 216970 | 70 | M/H | Ignition Controller S4560B1055- ML11149 | 145714 | |
| | | | | | 71 | RAM | Direct Spark Integrated Control Board | 147102 | Kit P/N 257531 |
| 66 | J/C | Ignition controller G67BG-5, natural gas or propane on outdoor units | 97782-N/A | Kit P/N 257472 | | | 3MC4-03 | | |
| | | | RAM | Hot surface ignition module H4MC2 | 157953 | 204376 (Code 82) | | | |
| | | G/C = General Co well; T = Thermodis | | | | | | 如此自己 | |

M/H = Honeywell; T = Thermodisc; W/R = White-Rodgers ² Functional replacement may require field-furnished wiring.

³ This item is no longer available. Suggest you contact the control manufacturer for replacement or functional replacement.

Safety Pilot or Ignition System Originally Supplied, Identified by Serial No. Code (cont'd) -- See Serial No. Decoding on pages 3-4. (N/A = Not available; see other notes below.)

| Code | Mfr | Description | P/N | Replaced by | Code | Mfr | Description | P/N | Replaced by | | | | | | |
|------|--------------------------------------|--|--------|-------------------|-------------|--|--|---|--|---------------------------------|--|---------------------------------|--|--------|--|
| 73 | RAM | Direct Spark integrated Control Board 3MC4-04 | 164326 | Kit P/N 258251 | 81 | Synetek IH1104C Dual Flame Ignition Module | | 204166 | | | | | | | |
| 74 | 1691-0 Electri on Mo Ambira | | 173036 | | 82 | Synetek IH-11040B-C Single Flame Rod Ignition Module | | IH-11040B-C Single Flame Rod | | IH-11040B-C Single Flame Rod | | IH-11040B-C Single Flame Rod | | 204376 | |
| 75 | J/C | Direct Spark Ignition Module, #G861KCC- 5401D | 174260 | Kit P/N 257531 | DIP s | UTC Direct Spark Ignition Mod- ule with Cool- ing Relay, #1097-211 e as CODE 78 with witch adjusted for second blower off | | on Mod- ith Cool- elay, 7-211 78 with ed for | | | | | | | |
| 76 | RAM | Direct Spark Integrated Control Module 3MC4-06 | | Kit P/N 258251 | delay 84 | | Intermittent Pilot Ignition Control with lockout and vent damper connections, | 234012-N/A | Kit P/N 257473 | | | | | | |
| 77 | J/C | Direct Spark Ignition Control Board, G822KCC- 5401 D | 193804 | Kit P/N 258251 | 85 | Direc | G770NHC-1 #1097-211, ct Spark Igni- with Cooling y | (2) 195573 | | | | | | | |
| 78 | UTC | Direct Spark Ignition with Cooling Relay, UTC #1097- 211 | 195573 | | 86 | H50 Boa | digm VB4- 0 Combustion rd (RDCB/ 0B H500) | 223554-N/A | Contact your Reznor® Representative or the factory for replacement | | | | | | |
| 79 | UTC | Direct Spark Ignition, UTC #1097-210 | 195265 | | 87 | Varidigm VB4- H600 Combustion Board (RDCB/ RDDB H600) | | 223555-N/A | for replacement information. Contact your Reznor® Representative or the factory | | | | | | |
| 80 | UTC | Direct Spark Ignition Board, UTC #1016- 426 | 204955 | | Electro | Johr | nson Controls; I | M/H = Honeywell; F | for replacement information. | | | | | | |

Safety Pilot or Ignition System Originally Supplied, Identified by Serial No. Code (cont'd) -- See Serial No. Decoding on pages 3-4.

| Code | Description | P/N(s) | Replaced by | Code | Description | P/N | Replacement |
|------|--|------------------------|---|------|---|--------|--|
| 88 | Varidigm VB4-H700 Combustion Board (RDCB/ RDDB H700) Varidigm | 223556-N/A | Contact your Reznor® Representative or the factory for replacement information. Contact your | 94 | UTC #1003- 638-A Recyclying Ignition Controller | 257009 | |
| | VB4-H800 Combustion Board (RDCB/ RDDB H800) | | Reznor [®] Representative or the factory for replacement information. | 95 | UTC #1003- 514 Ignition Controller with Lockout | 257010 | |
| 90 | UTC #1097- 211 Direct Spark Ignition and Varidigm VB4-H500 Combustion Board (RDCB/ RDDB H10C) | 195573 223554 - N/A | P/N 223554 is no longer available. Contact your Reznor® Representative or the factory for replacement information. | 96 | Varidigm VB1200- 5-RZNR-C | 257246 | NOTE: If CODE 96 board is replaced, the ID plug must either be replaced also or removed and installed on the new board. See page 10 for a list of ID plugs. |
| 91 | UTC #1097- 211 Direct Spark Ignition and Varidigm VB4-H600 Combustion Board (RDCB/ | 105573 | P/N 223555 is no longer available. Contact your Reznor® Representative or the factory | 97 | Varidigm VB1200- 5-RZNR-AB | 258319 | NOTE: If CODE 97 board is replaced, the ID plug must either be replaced also or removed and installed on the new board. See page 10 for a list of ID plugs. |
| 92 | UTC #1097- 211 Direct | 223555 - N/A | for replacement information. P/N 223556 is no longer | 98 | Varidigm VB1200-2- RZNR-PVA | 260252 | NOTE: If CODE 98 board is replaced, the ID plug must either be replaced also or removed and installed on the new board. See page 10 for a list of ID plugs. |
| | Spark Ignition and Varidigm VB4-H700 Combustion Board (RDCB/ RDDB H14C) | 223556 - N/A | available. Contact your Reznor® Representative or the factory for replacement information. | 99 | Varidigm VB1200-5- RZNR-SHH | 260917 | NOTE: If CODE 99 board is replaced, the ID plug must either be replaced also or removed and installed on the new board. See page 10 for a list of ID plugs. |
| 93 | UTC #1097-211 Direct Spark Ignition and Varidigm VB4 Combustion Board (RDCB/ RDDB H16C) | 195573 222678 - N/A | P/N 222678 is no longer available. Contact your Reznor® Representative or the factory for replacement information. | | | | |

Ignition Systems

Miscellaneous Information

ID Plugs for Varidigm Deep Modulation Boards, Ignition <u>CODES</u> <u>96 and 97</u>, on page 9

| ID Plug | ID Plug | ID Plug Label | | s to | | |
|---------|---------|---------------|---------------------------------------|-------------------|---------------|---------|
| P/N | No. | ID Flug Label | Model | Heat Section | Ignition CODE | Gas |
| 258113 | 13 | MAPS A100NG | | 100 | | Natural |
| 258114 | 14 | MAPS A100LP | | 100 | | Propane |
| 258115 | 15 | MAPS A150NG | Models RDCB, | 150 | | Natural |
| 258116 | 16 | MAPS A150LP | RDDB, RDCC, & | RDDB, RDCC, & 150 | | Propane |
| 258117 | 17 | MAPS A200NG | | 200 | 97 | Natural |
| 258118 | 18 | MAPS A200LP | | | 51 | Propane |
| 258129 | 29 | MAPS B250NG | | 250 | | Natural |
| 258130 | 30 | MAPS B250LP | Models RDCB, RDDB, RDCC, & RDDC | 230 | | Propane |
| 258131 | 31 | MAPS B300NG | | 300 | | Natural |
| 258132 | 32 | MAPS B300LP | | 300 | | Propane |
| 258133 | 33 | MAPS C400NG | | 400 | | Natural |
| 258134 | 34 | MAPS C500NG | Models RDCB, RDDB, RDCC, & | 500 | 1 | Natural |
| 258135 | 35 | MAPS C600NG | RDDB, RDCC, & | 600 | | Natural |
| 258136 | 36 | MAPS C700NG | | 700 | 96 | Natural |
| 258141 | | MAPS D500NG | | 500 &1000 | 30 | Natural |
| 258142 | | MAPS D600NG | Models RDCB & | 600 & 1200 | | Natural |
| 258143 | | MAPS D700NG | RDDB | 700 & 1400 | | Natural |
| 258144 | | MAPS D800NG | | 800 & 1600 | | Natural |

| ID Plugs for |
|-----------------------|
| Varidigm Deep |
| Modulation |
| Board, |
| Ignition CODE |
| <u>98</u> , on page 9 |

| ID Plug | ID Plug Label | Applies to Model RDH with Ignition CODE 98 | | | |
|---------|---------------|---|---------|--|--|
| P/N | | Heat Section | Gas | | |
| 258081 | PREEVA 175NG | 175 | Natural | | |
| 258082 | PREEVA 175LP | 175 | Propane | | |
| 258083 | PREEVA 200NG | 200 | Natural | | |
| 258084 | PREEVA 200LP | 200 | Propane | | |
| 258085 | PREEVA 225NG | 225 | Natural | | |
| 258086 | PREEVA 225LP | | Propane | | |
| 258087 | PREEVA 250NG | 250 | Natural | | |
| 258088 | PREEVA 250LP | 250 | Propane | | |
| 258089 | PREEVA 300NG | 300 | Natural | | |
| 258090 | PREEVA 300LP | 300 | Propane | | |
| 258091 | PREEVA 350NG | 350 | Natural | | |
| 258092 | PREEVA 350LP | 550 | Propane | | |
| 258093 | PREEVA 400NG | 400 | Natural | | |
| 258094 | PREEVA 400LP | 400 | Propane | | |

ID Plugs for Varidigm Deep Modulation Board, Ignition <u>CODE 99</u>, on page 9

| ID Plug P/N | ID Plug Label | Applies to Model RHH and Model SHH with Ignition CODE 99 | | | | |
|----------------|------------------|--|---------|--|--|--|
| | | Heat Section | Gas | | | |
| 258101 | SHH 130NG | 130 | Natural | | | |
| 258102 | SHH 130LP | 130 | Propane | | | |
| 258103 | SHH 180NG | 180 | Natural | | | |
| 258104 | SHH 180LP | 100 | Propane | | | |
| 258105 | SHH 260NG | 260 | Natural | | | |
| 258106 | SHH 260LP | 260 | Propane | | | |
| 258107 | SHH 350NG | 350 | Natural | | | |
| 258108 | SHH 350LP | 330 | Propane | | | |

| Ignition Conversion | ľ |
|--------------------------|--------|
| Kits to Convert from | r F |
| Match-Lit Pilot to Spark | F |
| Pilot for Models F and | |
| В | E |
| | E I F |

| Model F or B | Gas | Kit Description | Kit P/N | Instructions |
|----------------------|---------|----------------------------------|---------|--------------|
| F/B 25-165 | | Spark-ignited, intermittent | 100525 | |
| F/B 200-250 | | safety pilot without lockout | 100526 | |
| F 300-400, B 300 | | (UTEC Model 1003-638A, | 100527 | |
| B 400 | Natural | P/N 257009) | 102348 | |
| F/B 25-165 | Natural | Spark-ignited, intermittent | 100528 | Form |
| F/B 200-250 | | safety pilot with lockout | 100529 | CP-F/B IGN, |
| F 300-400, B 300 | | (UTEC Model 1003-514, P/N | 100530 | P/N 100550 |
| B 400 | | 2570010) | 102349 | |
| F/B 25-200 | | (NOTE: Controller includes | 100531 | |
| F 250-400, B 250-300 | Propane | terminal for connecting vent | 100532 | |
| B 400 | | damper.) | 102350 | |

Ignition Conversion Kits to Convert Pilot Systems to Updated Spark Pilot, Hot Surface, or Direct Spark Ignition System for Models listed

| Ignition System being Replaced | Gas | Conversion Kit P/N (Type of Igni- tion Controller in the Kit) | Instructio (in the K | | Applies to Models | |
|---|--------------------------|--|-------------------------|--------|---|--|
| Replaceu | | tion controller in the Kit) | Form P/N | | 1 | |
| Replaces Pilot Codes 62, 63, 65, 66, 84 | | 257473 (Ignition Controller 257010) 257472 (Ignition Controller 257009) | CP-IGN CNTRL | 134704 | Indirect-fired models with Pilot Code 62, 63, 65, 66, or 84 | |
| Replaces Pilot Code 71 or 75 | Natural or Propane | 257531 (Ignition Controller 195265) | CP-DSI CNTRL | 265905 | FT, SFT, TRP | |
| Spark - flame rectifica- tion or ultraviolet | | 146268, 146318, 146319 (HSI P/N 204376) | CP-RDF-HSI | 146321 | RDF with Pilot Code 58, 59, 60, or 61 | |
| Model CAUA with Pilot Code 76 or 77 | | 258251 (Ignition Controller 195573) | CP-CAUA- IGN CNTRL | 178435 | CAUA with Pilot Code 76 or 77 | |
| Model TR with Spark Pilot Code 65 or 66 | | 216970 (DSI P/N 204955) | CP-TR-IGN CNV | 215975 | TR/TR-H with Pilot code 65 or 66 | |

See ALL notes on pages 19-22. N/A = Not Available. See illustrations on pages 23-27.

| Serial No. | Original Valve on Heater | Valve | Pipe Size | P/N | | nal Replacement |
|-----------------|--|------------------|-----------|------------|------------------|----------------------|
| Code | | Mfr ¹ | - | | Code | P/N |
| 1 | ⁵ GF21G18 or 91F21G18 | J/C | 3/8 | N/A | 10 | 88242 |
| 2 | ^₅ GA4G18 or 91A4G18 | J/C | 1/2 (sm) | N/A | 10 | 88242 |
| 3 | ⁵ GD4G18 or 91D4G18 | J/C | 1/2 (lg) | N/A | 10 | 88242 |
| 4 | [§] GS5G18 | J/C | 3/4 | N/A | 10 | 88242 |
| 5 | 52509-206 | W/R | 3/4 | N/A | 10 | 88242 |
| 6 | 52509-207 | W/R | 3/4 | N/A | 10 | 88242 |
| 7 | 52509-208 | W/R | 1 | N/A | 5 | 112922 |
| 8 | ⁵ V-80 | M/H | 1/2 | N/A | 10 | 88242 |
| 9 | ^₅ V-80 | M/H | 3/4 | N/A | 10 | 88242 |
| 01 | I ⁵ NC1013-2T | M/N | 1/2 | N/A | 10 | 88242 |
| 02 | I⁵NC1014-2T | M/N | 3/4 | N/A | 10 | 88242 |
| 03 | ⁵ NC1030-2E or NC1058-2T | M/N | 1 | N/A | 5 | 112922 |
| 04 | ^₅ VA84A1004 | M/H | 1-1/4 | N/A | 5 | 112922 |
| 05 | ^₅ VA84A1012 | M/H | 1-1/2 | N/A | 5 | 112922 |
| 06 | ⁶ K3J41A102, 2 stage | G/C | 1/2 | N/A | X2 | ¹¹ 177396 |
| 07 | ⁶ K3J51A102, 2 stage | G/C | 3/4 | N/A | X3 | 11 177397 |
| 08 | ⁶ K3J61A102 | G/C | 1 | N/A | 3 | |
| 09 | ⁵VA835 | M/H | 1/2 | N/A | 10 | 88242 |
| 10 | ⁵VA835 | M/H | 3/4 | N/A | 10 | 88242 |
| 12 | 5 VA84 | M/H | 1 | N/A | 5 | 112922 |
| 13 | ⁵ 91S5G18 | J/C | 3/4 | N/A | 10 | 88242 |
| 14 | ⁵ 2509-204 | W/R | 1/2 | N/A | 10 | 88242 |
| 15 | 5K3A | G/C | 1-1/4 | N/A | 3 | |
| 16 | ⁵ V81A1060 | M/H | 1/2(sm) | N/A | 10 | 88242 |
| 17 | ⁵ V81A1078 | M/H | 3/4(sm) | N/A | 10 | 88242 |
| 18 | ⁵ 91A4G3 | J/C | 1/2(sm) | N/A | 10 | 88242 |
| 19 | ⁵ 91D4G3 or H91EG-3 | J/C | 1/2(lg) | N/A | 10 | 88242 |
| 20 | ⁷ B57 (Natural), single stage | G/C | 1/2(19) | N/A | K6 12 | 96300 |
| 20 21 | ⁸ B57 (Propane), single stage | G/C | 1/2 | N/A | K9 12 | 96303 |
| | | M/H | 1 | N/A N/A | 5 | 112922 |
| 22 23 | ⁵ V81D262 ⁵ 3601-228 | W/R | 1/2 | N/A N/A | 10 | |
| <u>23</u> 24 | | W/R | 1/2 | N/A N/A | 10 | 88242 88242 |
| | 53606-228 (Propane) | | | | 5 | |
| 25 | §NC1054-2E | M/N | 3/4 | N/A | 3 | 112922 |
| 26 | 51200AER | R | 3/8x1/2 | N/A | 3 | |
| 27 | ⁹ 92D2204-A-1, 100% shutoff, 115V | J/C | 1/2 | N/A | 3 | |
| 28 | ⁹ CS212-A2, 100% shutoff, 115V | J/C | 1/2 | N/A | 3 | |
| 29 | ^o CS222A-1, 100% shutoff, 115V | J/C | 1/2 | N/A | 3 | |
| 30 | Direct Spark, 115V, V4225B100, Propane | M/H | 1/2 | N/A | 3 | |
| 31 | Direct Spark, 115V, V4224A1077, Natural | M/H | 1/2 | N/A | | |
| 33 | ⁷ B59R02-Natural or B59R109, single stage | G/C | 1/2 | N/A | K6 12 | 96300 |
| 34 | ⁷ B59R06-Natural or B59R111, single stage | G/C | 3/4 | N/A | K7 ¹² | 96301 |
| 35 | ⁸ B59A01-Propane or B59A15, single stage | G/C | 1/2 | N/A | K9 ¹² | 96303 |
| 36 | ⁸ B59A05-Propane or B59A110, single stage | G/C | 1/2 | N/A | K9 ¹² | 96303 |
| 37 | 5V8257-A1244 | M/H | 1/2 | N/A | 10 | 88242 |
| 38 | 5V829A-1001 | M/H | 1/2 | N/A | 10 | 88242 |
| 39 | ⁵ V81A-1359 | M/H | 3/4 | N/A | 5 | 112922 |
| 40 | ⁵ V88A-1345 | M/H | 1-1/2 | N/A | 3 | |
| 41 | ⁵V81A-1086 | M/H | 1 | N/A | 5 | 112922 |
| 42 | ⁵V8292A-1001 | M/H | 3/4 | N/A | 10 | 88242 |
| 43 | ⁵V8146A102 | M/H | 3/4 | N/A | 5 | 112922 |
| 44 | ⁵V8146B-1023 | M/H | 3/4 | N/A | 5 | 112922 |
| 45 | ⁵V88A13372 | M/H | 1 | N/A | 5 | 112922 |
| 46 | ¹³ NC1014-1E | M/N | 3/4 | N/A | 3 | |
| 47 | ¹³ 92D4004A1 | J/C | 1/2 | N/A | 3 | |
| 48 | ⁵V8202A | M/H | 3/4 | N/A | 3 | |
| 49 | ⁵ 25A15-226 with plug for electric ignition | W/R | 3/8 | N/A | 3 | |
| 50 | ⁵ 25046-404 | W/R | 1/2 | N/A | 3 | |
| 51 | ⁵ 92D4004G3 | J/C | 1/2 | N/A | 3 | |
| 52 | ^₅ K3A | G/C | 1/2 | N/A | 5 | 112922 |
| 53 | ^₅ K3A | G/C | 3/4 | N/A | 5 | 112922 |
| 54 | ⁵K3A | G/C | 1 | N/A | 5 | 112922 |
| 55 | ⁵ 25G10-204 | W/R | 1/2 | N/A | 10 | 88242 |
| 56 | V48A2144 Diaphragm Type | M/H | 1 | N/A | 3 | |
| | | G/C | 3/4 | N/A | | |

(continued)

See ALL notes on pages 19-22. N/A = Not Available. See illustrations on pages 23-27.

| Serial No. | | Valve | Pipe | | ² Functional | Replacement | |
|----------------|---|------------------|------------|------------------|--------------------------------------|----------------------|--|
| Code | Original Valve on Heater | Mfr ¹ | Size | P/N | Code | P/N | |
| 58 | ¹⁴ G52BAG-12 (Natural) | J/C | 3/4 | N/A | 4 | | |
| 59 | ¹⁴ G52DAG-13 (Natural) 2-stage (lg) | J/C | 1/2 | N/A | 4 | | |
| 60 | 5K40AC361 | G/C | 1 | N/A | 3 | | |
| 61 | 1496AGT-9 | J/C | 1/2 | N/A | 4 | | |
| 62 | 963006-G | J/C | 3/4 | N/A | 3 | | |
| 63 | ¹⁴ G52BLG-12 (Propane) | J/C | 3/4 | N/A | 4 | | |
| 64 | ¹⁴ G52AAG-12 (Natural) | J/C | 1 | N/A | 4 | | |
| 65 | ¹⁵ G52AAY-1; DFT 250,260,290,325; Natural | J/C | 1 | N/A | 3 | | |
| 66 | ⁵ 2509-207 | W/R | 3/4 | N/A | 5 | 112922 | |
| 67 | ⁵ 2509-208 | W/R | 1 | N/A | 5 | 112922 | |
| 68 | ⁵ 2509-206 (Small) | W/R | 3/4 | N/A | 10 | 88242 | |
| 69 | ⁷ B590RA44 - Natural | G/C | 3/4 | N/A | K7 ¹² | 96301 | |
| 70 | ¹⁸ B590AA45 - Propane | G/C | 3/4 | N/A | 4 | | |
| 71 | ¹⁹ B59RJ155 - Natural | G/C | 1/2 | N/A | 4 | | |
| 72 | ¹⁹ B59RJ157 - Propane | G/C | 3/4 | N/A | 4 | | |
| 73 | ¹⁸ B59AJ156 - Propane | G/C | 1/2 | N/A | 4 | | |
| 74 | ¹⁸ B59RJ158 - Propane | G/C | 3/4 | N/A | 4 | | |
| 75 | ⁵ H91DG-3 Natural and Propane | J/C | 1/2 | N/A | 10 | 88242 | |
| 76 | ⁵ H91DG-3 Natural; H91DG-2 Propane | J/C | 1/2 | N/A | 10 | 88242 | |
| | Institutia, his ibo-2 inopane | M/N | 3/4 | N/A | 5 | 112922 | |
| 77 | H91DG-2 Propane | M/N | 1/2 | N/A | 10 | 88242 | |
| | ⁵ NC1014-2T Natural | M/N | 3/4 | N/A | 5 | 112922 | |
| 78 | H91EG-3 Propane | M/N | 1/2 | N/A | 10 | 88242 | |
| | ⁵ NC1054-2T Natural | M/N | 3/4 | N/A | 5 | 112922 | |
| 79 | H91EG-2 Propane | M/N | 1/2 | N/A | 10 | 88242 | |
| | §NC1054-2T | M/N | 3/4 | N/A | 5 | 112922 | |
| 80 | H91LG-1 | M/N | 3/4 | N/A | 10 | 88242 | |
| 81 | [§] G95AGL-1 Natural - Model RHD | J/C | 1/2 | N/A | 3 | 00242 | |
| 82 | ⁵ G95GL-1 W/Kit Y71AA-4 Propane - Model RHD | J/C | 1/2 | N/A | 3 | | |
| 83 | ¹⁶ K72R13 Natural - side entrance 90° outlet valve, single stage | G/C | 1/2 | 39298-N/A | K6 ¹² | 96300 | |
| 84 | ¹⁷ K72A14 Propane - side entrance 90° outlet valve, single stage | G/C | 1/2 | 39299-N/A | G9 | 82396 | |
| 85 | ¹⁸ G50AAY-1 Natural, 1-stage - DFT250 (includes built-in regulator) | J/C | 1 | N/A | 3 | 02390 | |
| 86 | ⁶ G52BLY-1, 2-stage, Propane, DFT 250, 260, 290, 325 | J/C | 3/4 | N/A | 3 | | |
| 87 | ⁵ G50BLY-1, 1-stage, Propane, DFT250 | J/C | 3/4 | N/A N/A | 3 | | |
| | ¹³ 1014-1E Natural, High Stage, DFT 300,400 | M/N | 3/4 | N/A | 3 | | |
| 88 | ¹³ 1013-1E Natural, Low Stage, DFT 300,400 | M/N | 1/2 | N/A | 3 | | |
| | ¹³ 1054-1E Natural, High Stage, DFT 500,400 | M/N | 3/4 | N/A N/A | 3 | | |
| 89 | ¹³ 1013-1E Natural, Low Stage, DFT 500 | M/N | 1/2 | N/A N/A | 3 | | |
| | | M/N | 3/4 | N/A N/A | 3 | | |
| 90 | ¹³ V48H-100-1, Natural, High Stage, DFT 600 ¹³ 1013-1E Natural, Low Stage, DFT 600 | M/N | 1/2 | N/A N/A | 3 | | |
| 91 | | J/C | 3/4 | N/A N/A | 3 | | |
| 92 | 14 G52BAG-6, 2-stage, Natural, DFT 220 | J/C | 3/4 | N/A N/A | 3 | | |
| 92 | ¹⁴ G52AAG-6, 2-stage, Natural, DFT 285,340,395 ²³ G52BLG-10, 2-stage, Propane, DFT 285,340,395 | J/C | 3/4 | N/A N/A | 3 | | |
| | | | - | | 3 | | |
| 94 95 | 8215B30 [§] H91LG-1 91D4G-3 | J/C | 3/4 3/4 | N/A 47537-N/A | 10 | 88242 | |
| 95 96 | ²² B59SJK171 Natural, 2 stage | J/C G/C | 1/2 | 47537-N/A N/A | X2 ²⁴ | 177396 | |
| 96 97 | | G/C G/C | 1/2 | N/A N/A | X2 ²⁴ X1 ²⁴ | 177395 | |
| | ²² B59BJK172 Propane, 2 stage | | 3/4 | N/A N/A | X1 ²⁴ X3 ²⁴ | | |
| 98 99 | ²² B59SJK163 Natural, 2 stage | G/C G/C | 3/4 | N/A N/A | X3 ²⁴ X1 ²⁴ | 177397 177395 | |
| | ²² B59BJK164 Propane, 2 stage | | | | X1 ²⁴ X3 ²⁴ | | |
| A1 | ²² B590SAK50 Natural, 2 stage | G/C | 3/4 | N/A | | 177397 | |
| A2 | ²² B590BAK51 Propane, 2 stage | G/C | 3/4 | N/A | X1 ²⁴ | 177395 | |
| A3 | ¹³ SNC1054-1 | M/N | 3/4 | N/A | | 00004 | |
| A4 | 7 7000ERHC 455-501-501 Natural, single stage | R | 3/4x1 | N/A | K7 ¹² | 96301 | |
| A5 | ²¹ 242NS 242-111121-1101 Natural, single stage | E | 1/2 | 47380-N/A | Q2 ²⁵ | 121598 | |
| A6 | 21 242NS 242-131121-1101 Natural, single stage | E | 3/4 | 47381-N/A | 9A | 221525 | |
| A7 | ²¹ 242NSU 242-111120-2101 Propane, single stage | E | 1/2 | N/A | Q4 ²⁵ | 121600 ³⁶ | |
| A8 | 21 242NSU 242-131120-2101 Propane, single stage | E | 3/4 | N/A | Q4 ²⁵ | 121600 ³⁶ | |
| A9 | 17 7000GVER-HC Natural, single stage | R | 3/4x1 | N/A | 9A | 221525 | |
| B1 | ⁵ K3A441 | G/C | 1/2 | N/A | 10 | 88242 | |
| B2 | ⁵ K3A451 | G/C | 3/4 | N/A | 5 | 112922 | |
| B3 | ^₅ K3A461 | G/C | 1 | N/A | 5 | 112922 | |
| B4 | G60QBG-7 with Controller - Natural | J/C | 1/2 | 50448-N/A | 3 | | |
| | LIGANO Natural | J/C | 1 | 47538-N/A | 5 | 112922 | |
| B5 | H91MG Natural | | | | | | |
| B5 B6 B7 | ^{38,7} 7000BER Natural 300-501-502, single stage 77000BER Natural 302-501-502A, single stage | R R | 1/2 3/4 | 48577-N/A N/A | K6 ¹² K7 ¹² | 96300 96301 | |

See ALL notes on pages19-22. N/A = Not Available. See illustrations on pages 23-27.

| Serial No. | Original Value on Heater | Valve | Pipe | P/N | ² Function | al Replacement |
|------------|--|------------------|-----------|--------------------|-------------------------|----------------------|
| Code | Original Valve on Heater | Mfr ¹ | Size | P/N | Code | P/N |
| B8 | 87000BE Propane 300-505-501, single stage | R | 1/2 | N/A | K9 ¹² | 96303 |
| B9 | 87000BE Propane 302-505-501, single stage | R | 3/4 | N/A | K9 ¹² | 96303 |
| C1 | 17 7000BGVER Natural 312-501-503 | R | 1/2 | N/A | 3 | |
| C2 | 17 7000BGVER Natural 307-501-503 | R | 3/4 | N/A | 3 | |
| C3 | 28 7000BGVE Propane 312-505-526 | R | 1/2 | N/A | 3 | |
| C4 | 28 7000BGVE Propane 307-505-501 | R | 3/4 | N/A | 3 | |
| C5 | ^{38 7} V800A1039 Natural, single stage | M/H | 3/4 | 51299-N/A | K7 ¹² | 96301 |
| | | J/C | 3/4 | N/A | 12 | |
| C6 | ⁸ G50DAG-1 Natural, single stage | Replacem | ent for S | tanding Pilot | K7 | 96301 |
| | | Replacem | | | 9A | 221525 |
| C7 | ²² V852A1097 Natural, 2-Stage | M/H | 1/2 | 51357-N/A | X2 ^{12, 24} | 177396 |
| C8 | ²² V852A1071 Natural, 2-Stage | M/H | 3/4 | 51358-N/A | X3 ^{12, 24} | 177397 |
| C9 | ²² V852A1105 Propane, 2-Stage | M/H | 1/2 | 51359-N/A | X1 ^{12, 24} | 177395 |
| D1 | ²² V852A1089 Propane, 2-Stage | M/H | 3/4 | 51360-N/A | X1 ^{12, 24} | 177395 |
| | ²⁶ G60CPG-1 Propane w/separate lockout device | J/C | 1/2 | N/A | 3 | |
| D2 | Y79 Lockout Device only, Y70BBA | J/C | 1112 | 46869-N/A | | |
| | ²⁶ G60QBG-7 Natural | J/C | 1/2 | N/A | 3 | |
| D3 | Y79 Lockout Device only, Y70BBA | J/C | 1/2 | 46869-N/A | | |
| D4 | ²⁷ V850A1133 Natural, 2-Stage | M/H | 3/4 | 52886-N/A | P8 20 | 115351 |
| | | | | | 4 | 115551 |
| D5 | ²⁷ V850A117 Natural, 2-Stage | M/H | 3/4 | N/A | 3 | |
| D6 | 14 G52AAG-16 DFT units | J/C | 1 | N/A | | 00004 |
| D7 | ^{38,7} 242 N-1 (Natural) 242-131131-1181, single stage | E | 3/4 | 59341-N/A | K7 ¹² | 96301 |
| D8 | ²⁸ H91EG | J/C | 1/2 | N/A | 3 | |
| D9 | ³¹ H91EG | J/C | 1/2 | N/A | | |
| E1 | ³⁰ B79B77RK34 Natural, 2-Stage | G/C | 1/2 | 60609-N/A | X2 ¹² | 177396 |
| E2 | ³⁰ B79B77WK35 Natural, 2-Stage | G/C | 3/4 | 60610-N/A | X3 ¹² | 177397 |
| E3 | ³⁰ B79B77WK36, Propane, 2-Stage | G/C | 1/2 | 60611-N/A | X1 ¹² | 177395 |
| E4 | ²¹ SX242 242-131121-1214 Natural, single stage | E | 3/4 | 61098-N/A | 9A | 221525 |
| E5 | ²¹ SX242LS 242-111122-1215 Propane, single stg (also could | E | 1/2 | 61099-N/A | Q4 ²⁵ | 121600 ³⁶ |
| ES | be used on natural gas units equipped with Maxitrol controls) | | 1/2 | 01099-11/A | | 121000 |
| E6 | ³² V4036B1019, 115V | M/H | 1/2 | N/A | 3 | |
| E7 | ³² V4036B1084, 240V | M/H | 3/4 | N/A | 3 | |
| F0 | ^{38, 7} RS7000BER 300-502-719 Propane, single stg (also could | R | 1/2 | | K9 ¹² | 00000 |
| E8 | be used on natural gas units equipped with Maxitrol controls) | R | 1/2 | 62969-N/A | K9 12 | 96303 |
| E9 | ¹⁵ K72S32 Side Entrance Propane, single stage | G/C | 1/2 | 64420-N/A | G9 | 82396 |
| F1 | 30 V850A1166 2-Stage, Natural | M/H | 1/2 | 62966-N/A | P8 | 115351 |
| F2 | 30 V850A1158 2-Stage, Propane | M/H | 1/2 | 62967-N/A | P9 | 115352 |
| F3 | VR852A1068 2-Stage, Propane | M/H | 1/2 | 62946-N/A | X1 ¹² | 177395 |
| F4 | G60QRH-1 Propane | J/C | 1/2 | 56826-N/A | 3 | |
| | SX242LSH 242-131122-1248 Propane, single stg (also could | _ | | | | |
| F5 | be used on natural gas units equipped with Maxitrol controls) | E | 3/4 | 63282-N/A | 1B | 221526 |
| F6 | ²³ 36D05-201 Natural | W/R | 1/2 | 62972-NA | 3 | |
| F7 | ²³ 36D05-401 Natural | W/R | 3/4 | 62973-N/A | 3 | |
| F8 | ²³ 36D05-202 Propane | W/R | 1/2 | 62974-NA | 3 | |
| - | ²⁹ G65BC Natural - Code F9 | 1 | | d G1 indicate G65 | 3 | |
| F9 and G1 | ²⁹ G65DCM-1 Propane - Code G1 | | | 56) and gas valve. | 3 | |
| 62 | | - · | | | K6 ¹² | 06200 |
| G2 | ¹⁵ 7000BER 379-501-502 Side Entrance Natural | R | 1/2 | N/A | | 96300 |
| <u>G3</u> | ¹⁶ 7000BE 379-501-501 Side Entrance Propane | R | 1/2 | N/A | G9 | 82396 |
| G4 | ⁷ 7000BER 403-501-729 Nat, single stage (no ECO cnntr) | R | 1/2 | 82196-N/A | K6 ¹² | 96300 |
| G5 | ⁷ 7000BER 403-502-719 Propane, single stg (also could be used on natural gas units equipped with Maxitrol system) | R | 1/2 | 82197-N/A | | 221634 |
| G6 | ⁷ 7000BER 408-501-502 Nat, single stg (with ECO cnntr) | R | 1/2 | 82198-N/A | K6 ¹² | 96300 |
| G7 | ⁷ 7000BER 408-502-719 Propane, Side Entrance, single stage (with ECO connector) | R | 1/2 | 82199-N/A | G9 | 82396 |
| G8 | ^{37, 7} 36C03270 Natural, Side Entrance, single stg, w/ECO | W/R | 1/2 | 82395-N/A | K6 ¹² | 96300 |
| G9 | ^{37,7} 36C03-433 Natural & Propane, Side Entrance, single stage, w/ECO | W/R | 1/2 | 82396 | | |
| H1 | ^{38,7} V800A7028 Natural, single stage, w/ECO terminal | M/H | 3/4 | 82398-N/A | K7 ¹² | 96301 |
| H2 | | W/R | 1/2 | | K6 ¹² | 96300 |
| | ^{38,7} 36C03-258 Natural, single stage, w/ECO terminal | | | 82397-N/A | | |
| H3 | ^{38, 7} 700BER 403-501-832 Nat, single stg, w/ECO terminal | R | 1/2 | 82624-N/A | K6 ¹² | 96300 |
| H4 | 7 700BER 403-502-835 Pro, single stg, w/ECO terminal | R | 1/2 | 82669-N/A | K9 ¹² | 96303 |
| H5 | ³⁰ 36D13-208 Natural, 2-Stage | W/R | 1/2 | 87430 | X2 ^{12, 39} | 177396 |
| H6 | ³⁰ 36D13-405 Natural, 2-Stage | W/R | 3/4 | 87432 | X3 ^{12, 39} | 177397 |
| H7 | ³⁰ 36D13-209 Propane, 2-Stage | W/R | 1/2 | 87431 | X1 ^{12, 39} | 177395 |

(continued)

See ALL notes on pages 19-22. N/A = Not Available. See illustrations on pages 23-27.

| Serial No. | Original Valve on Heater | Valve | Pipe | P/N | | Replacemen |
|----------------------------|--|--------------------------|--------------------|-----------------------------------|-------------------------|----------------------|
| Code | - | Mfr ¹ | Size | | Code | P/N |
| -18 | 36D05-403 Propane | W/R | 1/2x3/4 | 88243-N/A | 3 | |
| 19 | VR8440C3031 Propane, single stage | M/H | 1/2x3/4 | 93386-N/A | Q4 | 121600 ³⁶ |
| J1 (Two /alves) | ⁵ (2) K3A562S, T, or U, or 2LB27BB6127, 115V | G/C, ASCO, or Skinner | 1 | 86966 (2 required) | | |
| 10 | V5055A1004 Fluid Power, 115V | M/H | | 86992 | W1 (alternate | for J2; both |
| 2 | V4055A1007 Actuator | M/H | -1 | 86993 | Codes are ap | |
| 3 (Two | (2) V5055A1004 Fluid Power, 115V | M/H | | 86992 (2 required) | W1 (alternate | for 12 both |
| /alves) | | M/H | 1 | , | Codes are ap | |
| | (2) V4055A1007 Actuator V5055A1004 Fluid Power, 115V | M/H | | 86993 (2 required) 86992 | | 1 |
| 4 (Three | V4055A1004 Fluid Power, 115V | M/H | 4 | 86993 | | |
| alves) | | G/C, ASCO, | 1 | 00993 | | |
| | ⁵ (2)K3A562S, T, or U, or 2LB27BB6127, 115V | or Skinner | | 86966 (2 required) | | |
| 5 | ¹⁷ DER7100 71P11A-000 Natural, single stage | R | 1/2 | 89461-N/A | M4 | 96307 |
| 6 | ¹⁷ DER7100 71P11C-013 Propane, single stage | R | 1/2 | 89462-N/A | M7 | 96310 |
| 17 | ¹⁷ VR8440A2092B Natural, single stage | M/H | 1/2 | 89370-N/A | Q2 | 121598 |
| 8 | ¹⁷ 36C68-441 Natural, single stage | W/R | 3/4 | 89397-N/A | 9A | 221525 |
| 19 | ¹⁷ VR8440A2100B Propane, single stage | M/H | 1/2 | 89371-N/A | Q4 | 121600 ³⁶ |
| (1 | ¹⁷ 36C68-442 Pro, single stage (also could be used on natural gas units equipped with Maxitrol controls) | W/R | 3/4 | 89398-N/A | 1B | 221526 |
| (2 | V50551012 Fluid Power, 115V | M/H | 1-1/4 | 89356 | W3 (alternate | • |
| | V4055A1007 Actuator | M/H | | 86993 | Codes are ap | proved) |
| (3 | FT8215C20, 115V (for Bell Telephone) | ASCO | 1/2 | N/A | | |
| (4 | V50551038 Fluid Power, 115V | M/H | 2 | 91079 | W4 (alternate | |
| | V4055A1007 Actuator | M/H | | 86993 | Codes are ap | · _ / |
| (5 | V8200M7003, Natural, single stage | M/H | 1/2 | 96299 | 9B | 208920 |
| 6 | 36C03-211 Natural, single stage | W/R | 1/2 | 96300 | | |
| (7 | V800M7009 Natural, single stage | M/H | 3/4 | 96301 | | |
| 8 | V8200M7011 Propane, single stage | M/H | 1/2 | 96302 | 1C | 209412 |
| (9 | V800M7017 Propane, single stage | M/H | 3/4x3/4 | 96303 | | |
| //1 | V850E7003 Natural, 2-stage | M/H | 1/2 | 96304-N/A | P8 ⁴⁰ | 115351 |
| 12 | V850E7029 Natural, 2-stage | M/H | 3/4 | 96305-N/A | P8 40 | 115351 |
| 13 | V850E7011 Propane, 2-stage | M/H | 1/2x3/4 | 96306-N/A | P9 40 | 115352 |
| /4 | VR8204M1000 Natural, single stage | M/H | 1/2 | 96307 | | |
| 15 | VR8440A2159 Natural, single stage | M/H | 1/2 | 96308-N/A | Q3 | 121599 |
| <u>16</u> | 36C68-452 Natural, single stage | W/R | 3/4 | 96309-N/A | Kit P/N 22203 | 7 |
| A7 | VR8204M1018 Propane, single stage | M/H | 1/2 | 96310 | | |
| //8 | 36C68-325 Pro, single stage (also could be used on | W/R | 1/2x3/4 | 96311-NA | Kit P/N 22163 | 4 |
| | natural gas units equipped with Maxitrol controls) | | 4/0-0/4 | 00040 | N 4 12 29 | 477000 |
| 19 | 36D13-304 Propane, 2-stage | W/R | 1/2x3/4 | 96312 | X4 ^{12, 39} | 177398 |
| 1 2 | 36D19-402 Natural, 50-90°F | W/R | 3/4x3/4 | 100321-N/A 100322-N/A | 3 | |
| | 36D19-403 Natural 90-130°F | W/R | 0/ 1/10/ 1 | | 34 | |
| 3 4 | 36D19-405 Propane, 50-90°F 36D19-406 Propane 90-130°F | W/R W/R | 3/4x3/4 3/4x3/4 | 100323-N/A | 3 | |
| 14 | | | | 100324-N/A | ľ | |
| 15 (Two | Mechanical modulation 50-90°F, Code N3, with byp 36D19-405 Propane | W/R | 3/4x3/4 | <u>s 75-200</u> 100323(N3)-N/A | 34 | 1 |
| /alves) | VR8204M1018 Propane, single stage | M/H | 1/2 | 96310(M7) | | |
| | Mechanical modulation 50-90°F, Code N3, with bypa | | | | | |
| 16 (Two | 36D19-405 Propane | W/R | 3/4x3/4 | 100323(N3)-N/A | 34 | 1 |
| /alves) | 36C68-325 Propane, single stage | W.R | 1/2x3/4 | 96311(M8)-N/A | Kit P/N 22163 | 4 |
| | AG13 Mechanical modulation 50-90°F, Code N1, with | | | | TAL 17/14 22 103 | T |
| 17 (Two | 36D19-402 Natural | W/R | 3/4x3/4 | 1003213(N1)-N/A | 34 | |
| /alves) | VR8204M1000 Natural, single stage | M/H | 3/4x3/4 1/2 | · · · · | | + |
| | AG13 Mechanical modulation 50-90°F, Code N1, wit | | | 96307(M4) | 1 | |
| 18 (Two | 36D19-402 Natural | W/R | 3/4x3/4 | 1003213(N1)-N/A | 34 | - <u></u> |
| alves) | VR8440A2159 Natural, single stage | M/H | 3/4x3/4 1/2 | 96308-N/A | Q3 | 121599 |
| | AG13 Mechanical modulation 50-90°F, Code N1, w/l | | | | | |
| l9 (Two | 36D19-402 Natural | W/R | 3/4x3/4 | 100321(N1)-N/A | <u>ADFH NAL& LF</u> | <u> </u> |
| alves) | 36C68-452 Natural, single stage | W/R | 3/4x3/4 | 96309-N/A | Kit P/N 22203 | 7 |
| 01&P1 | AG14 Mechanical modulation 90-130°F, Code N2, w | | - | | ZZU3 | |
| 3 (Two | 36D19-403 Natural | W/R | 3/4x3/4 | 100322-N/A | 3 | |
| /alves) | VR8204M1000 Natural, single stage | M/H | 1/2 | 96307 (M4) | 1 | 1 |
| | AG14 Mechanical modulation 90-130°F, Code N2, w | | | | 1 | |
| | TAG IT MECHANICAL INVUNIATION 30-130 F. COUR NZ. W | 1111 NYDA33, U | | 01 01203 170-200 | | |
|)2&P2 ³ (Two | 36D19-403 Natural | W/R | 3/4x3/4 | 100322-N/A | 3 | |

Form P-VALVES, P/N 263995, Page 14

See ALL notes on pages 19-22. N/A = Not Available. See illustrations on pages 23-27.

| Serial No. | Original Valve on Heater | Valve | Pipe | P/N | ² Functional Replaceme | |
|---|--|------------------|----------------|-----------------------------|-----------------------------------|----------|
| Code | - | Mfr ¹ | Size | | Code | P/N |
| O3&P3 ³3 (Two | AG14 Mechanical modulation 90-130°F, Code N2, w 36D19-403 Natural | W/R | | 100322-N/A | J34 | |
| Valves) | 36C68-452 Natural, single stage | W/R | 3/4x3/4 | 96309(M6)-N/A | Kit P/N 222037 | l |
| 04&P4 | AG14 Mechanical modulation 90-130°F, Code N4, w | | | | KIL P/N 222037 | |
| 04 &P4 ³³ (Two | 36D19-406 Propane | W/R | 3/4x3/4 | 100324-N/A | 3 | |
| Valves) | VR8204M1018 Propane, single stage | M/H | 1/2 | 96310(M7) | | |
| 05&P5 | AG14 Mechanical modulation 90-130°F, Code N4, w | | | | | |
| ³³ (Two | 36D19-406 Propane | W/R | 3/4x3/4 | 100324-N/A | 3 | |
| valves) | 36C68-325 Propane, single stage | W/R | _ | 96311(M8)-N/A | Kit P/N 221634 | |
| , | Mechanical modulation 50-90°F, Code N1, with bypa | | | | | |
| P6 (Two | 36D19-402 Natural | W/R | 3/4x3/4 | 100321(N1)-N/A | 34 | |
| Valves) | VR8304M2816 Natural, single stage | M/H | 1/2 | 121599(Q3) | | |
| / T | Mechanical modulation 90-130°F, Code N2, with by | bass, Code (| | | | |
| P7 (Two | 36D19-403 Natural | W/R | 3/4x3/4 | 100322-N/A | 3 | |
| Valves) | VR8304M2816 Natural, single stage | M/H | 1/2 | 121599(Q3) | | |
| P8 | 36C40-408 2-Stage, Natural (std pilot) | W/R | 3/4 | 115351 | | |
| P9 | 36C41-408 2-Stage, Propane (std pilot) | W/R | 3/4 | 115352 | | |
| Q2 | VR8304M2808 Natural, single stage | M/H | 1/2 | 121598 | | |
| Q3 | VR8304M2816 Natural, single stage | M/H | 1/2 | 121599 | 1 | |
| Q4 | VR8304H3802 Propane, single stage | M/H | 1/2x3/4 | 121600 | 1 | |
| | Mechanical modulation 50-90°F, Code N1, with bypa | | | | | |
| Q5 (Two Valves) | 36D19-402 Natural | W/R | 3/4x3/4 | 100321(N1)-N/A | 34 | |
| valves) | 36C68-441 Natural, single stage | W/R | 3/4 | 89397(J8)-N/A | 9A | 221525 |
| 00 (T | Mechanical modulation 90-130°F, Code N2, with by | oass, Code . | J8, for Size | <u>es 300-400</u> | | |
| Q6 (Two | 36D19-403 Natural | W/R | 3/4x3/4 | 100322-N/A | 3 | |
| Valves) | 36C68-441 Natural, single stage | W/R | 3/4 | 89397(J8)-N/A | 9A | 221526 |
| 07 / T. | Mechanical modulation 50-90°F, Code N1, with bypa | ass, Code Q | 2, for Size | s 75-250 | | |
| Q7 (Two | 36D19-402 Natural | W/R | 3/4x3/4 | 100321(N1)-N/A | 34 | |
| Valves) | VR8304M2808 Natural, single stage | M/H | 1/2 | 121598 (Q2) | | |
| 0 0 (Ŧ | Mechanical modulation 90-130°F, Code N2, with by | bass, Code (| 22, for Siz | es 75-250 | о. | |
| Q8 (Two | 36D19-403 Natural | W/R | 3/4x3/4 | 100322-N/A | 3 | |
| Valves) | VR8304M2808 Natural, single stage | M/H | 1/2 | 121598 (Q2) | | |
| 00 (Ture | Mechanical modulation 50-90°F, Code N3, with bypa | ass, Code Q | 4, for Size | s 75-200 | | |
| Q9 (Two Valves) | 36D19-405 Propane | W/R | 3/4x3/4 | 100323(N3)-N/A | 34 | |
| valves) | VR8304H3802 Propane, single stage | M/H | 1/2x3/4 | 121600 (Q4) | | |
| R1 (Two | Mechanical modulation 90-130°F, Code N4, with by | oass, Code (| 24, for Siz | <u>es 225-400</u> | | |
| Valves) | 36D19-406 Propane | W/R | 3/4x3/4 | 100324-N/A | 3 | |
| valves) | VR8304H3802 Propane, single stage | M/H | 1/2x3/4 | 121600 (Q4) | | |
| R2 | Signature States State States States Stat | G/C | 3/4 | 123604 | | |
| R3 | [§] K3A561-U Natural & Propane | ASCO | 1 | 123603 | | |
| | ⁵ K3A671SF Natural & Propane | G/C | 1-1/4 | 123605 | | |
| R5 | V4600A1023 Nat or V4600A1031 Nat/Pro | M/H | 1/2 | 113766 | | |
| R6 | V4400A10093 | M/H | 1/2 | 113767 | | |
| ³5 R7 | 3B0-341-A04 or 3F1241A04 Natural, 50-100°F, Mod | R | 3/4 | 131453 | | |
| ³⁵ R8 | 5N7-341-A04 or 5R9241A04 Natural, 50-100°F, Mod | R | 1 | 131455 | | |
| ³⁵ R9 | 3B0-342-A05 or 3F1242A05 Propane, 50-100°F, Mod | R | 3/4 | 131454 | | |
| ³⁵ S1 | 5N7-342-A05 or 5R9242A05 Propane, 50-100°F, Mod | R | 1 | 131456 | | |
| S2 (Two | 3B0-341-A04 or 3F1241A04 Natural, 50-100°F, Mod | R | 3/4 | 131453(R7) | | <u> </u> |
| Valves) | 36C68-325, Propane, single stage | W/R | 1/2X3/4 | 96311(M8)-N/A | Kit P/N 221634 | r |
| S3 (Two | 5N7-341-A04 or 5R9241A04 Natural, 50-100°F, Mod | R | 2/4 | 131455(R8) | 10 | 224526 |
| Valves) | 36C68-442, Propane, single stage 3B0-342-A05 or 3F1242A05 Propane, 50-100°F, Mod | W/R R | 3/4 | 89398(K1)-N/A | 1B | 221526 |
| S4 (Two Valves) | · · · · · · · · · · · · · · · · · · · | W/R | 3/4 1/2x3/4 | 131454 (R9) | Kit P/N 221634 | I |
| 35 (Two | 36C68-325, Propane, single stage 5N7-342-A05 or 5R9242A05 Propane, 50-100°F, Mod | R | 1/2x3/4 | 96311(M8)-N/A 131456(S1) | TXIL P/IN 221034 | |
| valves) | 36C68-442 Propane, single stage | W/R | 3/4 | 89398(K1)-N/A | 1B | 221526 |
| | Mechanical modulation 50-100°F, with bypass, Cod | | | 100000(11)-11//4 | | 1221020 |
| S6 (Three | 3B0-341-A04 or 3F1241A04 Natural, 50-100°F | R | 3/4 | 131453(R7) | 1 | |
| Valves) | 36C68-325, Pro, single stage | W/R | 1/2x3/4 | 96311(M8)-N/A | Kit P/N 221634 | |
| | VR8304M2808 Natural, single stage | M/H | 1/2 | 121598(Q2) | 1 | |
| | Mechanical modulation 50-100°F, with bypass, Cod | | | | | |
| S7 (Three | 3B0-341-A04 or 3F1241A04 Natural, 50-100°F | R | 3/4 | 131453(R7) | 1 | |
| | | | | · · · · | 1 | T |
| Valves) | 36C68-442, Pro, single stage | W/R | 3/4 | 89398(K1)-N/A | 1B | 221526 |

(continued)

See ALL notes on pages 19-22. N/A = Not Available. See illustrations on pages 23-27.

| | ptes on pages 19-22. N/A = Not Available. See | T T | is on pages | 23-27. | | |
|--------------------------|--|-------------------|-----------------------|--|---------------------------|-----------------|
| Serial No. | Original Valve on Heater | Valve | Pipe Size | D/N | ² Functional F | |
| Code | Original valve on nealer | Mfr ¹ | Fipe Size | F/IN | Code | P/N |
| | Mechanical modulation 50-100°F, with bypass, C | ode Q4, for | Sizes 75-22 | 5 | · | |
| S8 (Three | 3B0-342-A05 or 3F1242A05 Propane, 50-100°F | R | 3/4 | 131454 (R9) | | |
| Valves) | 36C68-325 Propane, single stage | W/R | 1/2x3/4 | 96311 (M8) - N/A | Kit P/N 221634 | - |
| valvesj | | | 1/2x3/4 | | KIL P/N 221034 | |
| | VR8304H3802 Propane, single stage | M/H | 1 | 121600 (Q4) | | |
| | Mechanical modulation 50-100°F, with bypass, C | | | | | |
| S9 (Three | 3B0-342-A05 or 3F1242A05 Propane, 50-100°F | R | 3/4 | 131454 (R9) | | |
| Valves) | 36C68-442, propane, single stage | W/R | 3/4 | 89398 (K1) - N/A | 1B | 221526 |
| , | 36C68-442, propane, single stage | W/R | 3/4 | 89398 (K1) - N/A | 1B | 221526 |
| | Mechanical modulation 50-100°F, with bypass, C | | 1. | | 1.5 | |
| | | | | | | |
| T1 (Three | 5N7-341-A04 or 5R9241A04 | R | 1 | 131455 (R8) | <u> </u> | |
| Valves) | 36C68-442, propane, single stage | W/R | 3/4 | 89398 (K1) - N/A | 1B | 221526 |
| | 36C68-452, natural, single stage | W/R | 3/4 | 96309 (M6) - N/A | Kit P/N 222037 | |
| Т2 | VR8304M4911 Natural | Ім/н | 1/2 | 134358 | | |
| Г3 | VR8304M2824 Natural, single stage | M/H | 1/2 | 136193 | | |
| Г4 | VR4601AA1010 Nat or VR4601AA1044B Nat/Pro | M/H | 1/2 | 134778 - N/A | 3 | - |
| | | | | | | 1 |
| Г <u>5</u> | VR4601AB1000 Nat or VR4601AB1026 Nat/Pro | M/H | 3/4 | 134779 - N/A | 3 | |
| Г6 | Maclaren GM7542-3043 Natural | J/C | 1/2 | 142664 | <u> </u> | 1 |
| Г7 | Modify Valve P/N 113766 | M/H | 1/2 | 144276 | | |
| Г8 | K3A661-T | G/C | 1 | 146472 | | |
| Г9 | 7222DER Natural, single stage | R | 1/2 | 147133 - N/A | 7E | 260604 |
| J1 | 7222DERLP Propane, single stage | R | 1/2 | 147134 - N/A | 8E | 260606 |
| J2 | | IM/H | 1/2 | 147830 | + ~ | |
| - | VR8205M1130 Natural, single stage | | | | | |
| J3 | VR8205M1148 Propane, single stage | M/H | 1/2 | 147560 - N/A | 8E | 260606 |
| J4 | L821480 Natural | Asco | 2 | 163136 | | |
| U5 | L821440 Natural | Asco | 3 | 163137 | | |
| J6 | VR8305M4009, Natural, single stage | M/H | 3/4 | 150839 | | |
| J7 | VR8305M4017, Propane, single stage | M/H | 3/4 | 150840 | | |
| J8 | 36C68-334, Propane, single stage | W/R | 1/2x3/4 | 157167 - N/A | Kit P/N 221634 | |
| | | W/R | | | | |
| J9 | 36C68-480, Propane, single stage | | 3/4x3/4 | 157168 - N/A | Kit P/N 221634 | |
| V1 | VR8405M5228, Natural & Propane, single stage | M/H | 1 | 159743 | | |
| V2 (Two Valves) | (2) K3A651SF Natural & Propane | G/C | 3/4 | 123604 (R2) | | |
| V3 (Two Valves) | (2) K3A661-T Natural & Propane | ASCO | 1 | 146472 (T8) | | |
| V4 (Two Valves) | (2) K3A6715F Natural & Propane | ASCO | 1-1/4 | 123605 (R4) | | |
| V5 (Two Valves) | (2) L821480, 24V, Natural & Propane | ASCO | 2 | 159736 | | |
| V6 (Two Valves) | (2) L82146OC Natural & Propane | ASCO | 1-1/4 | 159731 | | |
| V7 (Two Valves) | (2) L821480C Natural & Propane | ASCO | 2 | 159841 | | |
| V8 (Two Valves) | (2) L821440 Natural | ASCO | 3 | 163137 | | |
| V9 | #VR8305N4917 Propane, DSI, 2-stage | M/H | 3/4x3/4 | 195737 | 1 | 1 |
| | · · · · · · · · · · · · · · · · · · · | | 1 | | | |
| N1 | Fluid Power Valve, V710FAS | ASCO | 1x1 | 172667 | J2 (W1 alternat | • |
| | Actuator, 120V, AH2B112A | <u> </u> | Ļ | 172680 | Codes are app | , |
| N2 (Two | (2) Fluid Power Valve, V710FAS | ASCO | 1x1 | 172667 | J3 (W2 alternat | te for J3; both |
| Valves | (2) Actuator, 120V, AH2B112A | | | 172680 | Codes are app | roved.) |
| | Fluid Power Valve, V710GAS | ASCO | 1-1/4x1-1/4 | | K2 (alternate for | |
| W3 | Actuator, 120V, AH2B112A | + | 1 | 172680 | codes are appr | |
| | | 14800 | 222 | | | |
| N4 | Fluid Power Valve, V710JAS | ASCO | 2x2 | 172679 | K4 (alternate fo | |
| | Actuator, 120V, AH2B112A | <u> </u> | <u> </u> | 172680 | codes are appr | · · · |
| N5 | VR8105M2817 Natural, single stage | M/H | 1/2x1/2 | 172552 - N/A | U2 | 147830 |
| N6 | VR8105M2825 Propane, single stage | M/H | 1/2x1/2 | 172553 - N/A | 8E | 260606 |
| N7 | VR8104M2505, Natural, single stage | M/H | 1/2x1/2 | 170609 | | |
| N8 | VR8204M1901, Natural, single stage | M/H | 1/2x1/2 | 176680 | 1 | 1 |
| N9 | VR8204H1907, Propane, single stage | M/H | 1/2x1/2 | 176681 - N/A | Kit P/N 221093 | <u>.</u> I |
| | | | | | 1111 - 111 - 22 1093 | 1 |
| K1 | VR8204Q2400, 2-Stage Propane | M/H | 1/2 | 177395 | | 4 |
| (2 | VR8204Q2418, 2-Stage Natural | M/H | 1/2 | 177396 | <u> </u> | |
| (3 | VR8304Q4404, 2-Stage Natural | M/H | 3/4 | 177397 | | |
| | VR8304Q4412, 2-Stage Propane | M/H | 1/2x3/4 | 177398 | | |
| (4 | | · · | | | + | + |
| | | Ім/н | 3/4 | 195739 | | |
| K 5 | VR8305Q4925, 2-Stage, Natural | M/H | 3/4 | 195739 | <u> </u> | |
| X4 X5 X6 X7orZ3 | | M/H M/H M/H | 3/4 1/2x3/4 1/2 | 195739 195740 196848 - N/A | 6E | 260603 |

See ALL notes on pages 19-22. N/A = Not Available. See illustrations on pages 23-27.

| Code Original value on reaction Mfr 1 Size Fin Code PN Georgan VR8 1058/2408, NL2, stage MH1 1/2 199830 - N/A 9E 283999 Georgan VR8 1058/2408, NL2, stage MH1 1/2 199830 - N/A 9E 4263999 Georgan VR8 2058/231, PL 2 stage MH1 1/2 199830 - N/A 6E 4263999 Group VR8 20054/241, Natural, angle stage MH1 1/2 199081 MA 4 199064 Group VR8 20054/251, PL 2 stage MH1 1/2 199064 426399 Group VR8 20054/251, PL 2 stage MH1 1/2 199064 Group VR8 20054/21, Nutural, 2-stage MH1 1/2 199736 Group VR8 20054/261, Nutural, 2-stage MH1 1/2 199706 Group VR8 20054/251, Nutural, 2-stage MH1 1/2 1998738 </th <th></th> <th>I</th> <th></th> <th></th> <th></th> <th>2</th> <th>anal Daulasamant</th> | | I | | | | 2 | anal Daulasamant |
|---|------------|---|---------------|---------|---|-------------------|-------------------|
| Understand Viron Dirac Understand Understand Construct Viron Dirac Viron Dirac Viron Dirac Construct Viron Dirac Viron Dirac Viron Dirac Viron Dirac Viron Dirac Dira Dira <th>Serial No.</th> <th>Original Valve on Heater</th> <th>Valve</th> <th>Pipe</th> <th>P/N</th> <th></th> <th></th> | Serial No. | Original Valve on Heater | Valve | Pipe | P/N | | |
| Spar26 VR8105R2369, LP, single stage MH 1/2 19680 N/A 9E 28399 C2027 VR8205R231, LP, 2-stage MH 1/2 19680 N/A 6E **26063 C2027 VR8205R267, Natural, single stage MH 1/2 196981 **26083 C4023 VR8205R267, Natural, single stage MH 1/2 196981 **26083 C4024 VR8205R268, LP, single stage MH 1/2 197066 **26399 C4025 VR8205R2612, LP, stage MH 1/2 197065 ************************************ | | - | | | 400040 11/4 | | |
| VTR105N2331, LP, 2-stage MH 1/2 19683 - IV/A 2A 197064 VTR105N236757, Natural, single stage MH 3/4 196981 M 5/2000 1/200 | | | | | | | |
| VPR2005/2007, Natural, single stage M/H 1/2 190890 - N/A E 4 206003 VPR2005/2007, Natural, single stage M/H 1/4 190891 4 25399 VPR2005/2005, LP, single stage M/H 1/2 190892 - N/A 9E 425399 VPR2005/2001, LP, Z-stage M/H 1/2 197064 5 5 VPR2005/2011, Natural, Z-stage M/H 1/2 197065 5 5 VPR2005/2012, Natural, Z-stage M/H 1/2 197065 5 5 5 VPR2005/2012, Natural, Z-stage M/H 1/2 197065 | | | | | | | |
| VR8205K4241. Natural, single stage MH 3/4 199891 #26399 V67073 VR8205K4265. LP, single stage MH 1/2 199682. NA 9E #26399 V671A VR8205K425. LP, single stage MH 1/2 197064 E V780305K425. LP, single stage MH 1/2 197066 E E V780305K425. Natural, 2-stage MH 1/2 199756 E | | | | | | | |
| VR8205K265. LP single stage MH 112 196983. #*26399 VF80205K255. LP single stage MH 13/4 197084 #* VF80205K255. LP single stage MH 11/2 197084 #* VF80205K251. LP single stage MH 11/2 197085 # VF80205K252. LP single stage MH 11/2 197085 # VF80205K252. Natural. 2-stage MH 11/2 199738 # VF80205K255. Natural. single stage MH 11/2 204361 # VF80205K1035. Natural. Single stage WH 3/4 221625 # SI V9804K1015. Stage. Natural & Propane. MH 1 203860 # SI V9804K101. Stage. Natural & Propane. Stage WH 3/4 221625 # SI V9804K1005. X-Stage. Natural MH 1 203866 # # SI V51562.2464. Mech Mod VH 40-160' MH 1 203869 # # 260603 SI Wire * SI Wire SI Wire </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>16E</td> <td>44 260603</td> | | | | | | 16E | 44 260603 |
| VR8306K4258. LP. single stage MiH 3/4 196983 Image: Second | | | | | | | 44.000000 |
| Geor2A VR8208N2813.LP.2-stage M/H 1/2 197064 Gor4A VR8208N2821.Natural, 2-stage M/H 3/4 197065 Gor4A VR8208N2821, Natural, 2-stage M/H 1/2 197067 VR8208N2827, Natural, 2-stage M/H 1/2 197067 VR8208N2827, Natural, 2-stage M/H 1/2 198738 Z STG VU, NAT, VR8208N2847 M/H 1/2 204301 AV VR8206N2805, Natural, single stage M/H 1/2 203660 AV VR8206N103, PS1 Natural & Propene M/H 1/1 203661 | | | | | | 19E | ** 263999 |
| VR8305N429 VR8305N421N49 VR8305N421N49 VR8305N421N49 VR8305N421N49 VR8305N421N49 VR8305N421N49 VR8305N421N49 VR8305N421N49 VR8305N421N49 VR8305N4 | | | | - | | | |
| VR205N291, Natural, 2-stage M/H 1/2 197065 VR205N297, Natural, 2-stage M/H 1/2 197736 | | | | | | | |
| YBOr5A VR8005M4297, Natural, 2-stage MH 3/4 197067 Z STG VLV, LP, VR2005N2939 MH 1/2 195738 Z STG VLV, NAT, VR8205N2947 MH 1/2 195738 VR205M2055, Natural single stage MH 1/2 2043061 Image: Control of the | | | | | | | |
| 2 2 STG VLV, IV, VR20205/203 M/H 1/2 195736 2 2 STG VLV, IV, VR20205/2037 M/H 1/2 20391 A VR20205/1032 PS1000 1 1203961 1 A VR2051/103 PS1000 1 1203961 1 A VR2051/104 A.M.H. 1.14 203860 1 B V31558-2441. Medural, single stage W/R 3/4 221525 1 B V91558-2448. Medural, single stage (Code Y or 27) MH 1 203865 1 1 B V51558-2468. Medural Mod Vr, 40-160' MH 1 1 203865 1 1 203865 1 1 203865 1 1 203866 1 1 203866 1 1 203866 1 1 205863 1 1 206603 1 1 1 1 1 1 1 1 1 1 206603 1 1 206603 1 | | | | | | | |
| 22 2.STG VLV, NAT, VRB205/2947 M/H 1/2 195738 AV R8205/M2055, Natural, Single stage M/H 1/2 2043961 AV VR205/M2055, Natural, Single stage M/H 1/1 2033961 AV R2057M205, Natural, Single stage W/R 3/4 221525 B SH32.441 Photone, single stage W/R 3/4 221525 B V7555.MEen Mod VV 40-160" M/H 1 2033965 I B V75155.MEen Mod VV 40-160" M/H 1 2033965 I I V78105/C2442 Polane with Word -tatage valves, and unal gas, DCCARDDA witheat Saction 200, 250, 300 V78105/C2442 V78105/C2442 V78105/C2442 I I 203896 I I 203696 I | | | | - | | | |
| A VR8205H2855, Natural, single stage MH 1/2 204301 A VR295H101, 2PS1 Natural, & Propane MH 1.142 203861 A VR295H101, 2PS1 Natural, & Propane MH 1.142 203861 A VR1932441 Natural, Single stage W/R 3/4 221326 B 39H32:442 Propane, single stage W/R 3/4 221326 B VR195441 Natural, Single stage W/R 3/4 221326 VS1555.2548, Mech Mod Viv 40-160° MH 1 203869 200866 VS1555.2548, Mech Mod Viv 40-160° MH 12 203869 260603 VR1055242, Nat, single stage (Code X 7 or 23) MH 112 196804 (X7or23) NA 6E 260603 VR81055242, Nat, single stage (Code X 7 or 23) MH 112 196804 (X7or23) NA 6E 260603 VR81055242, Nat, single stage (Code X 7 or 73) MH 112 196804 (X7or23) NA 6E 260603 VR81055242, Nat, single stage (Code X 7 or 73) MH 112 196844 (X7or23 | Z1 | | | | | | |
| A V8286A1031, 2PSI Natural & Propane MH 1 1/4 203860 A V8286A1049, N& P MH 1/14 203861 Image: Construct of the Constr | Z2 | | | | | | |
| AA V8296A1049, N.8. P M/H 1-1/4 203861 A3 36H32:442 Propane, single stage W/R 3/4 221526 B 36H32:442 Propane, single stage W/R 3/4 221526 B V5155B:254B, Mech Mod VIv 40-100' M/H 1 203866.N/A 3' B V5155B:254B, Mech Mod VIv 40-120' M/H 1 203866.N/A 3' B (Y155B:254B, Mech Mod VIv 40-120' M/H 1/2 196848 (X7cr23)N/A 6E 260603 VR8105K2842, Nat, single stage (Code Y2 or Z3) M/H 1/2 196848 (X7cr23)N/A 6E 260603 VR8205K8005, Nat, single stage (Code Y2 or Z3) M/H 1/2 1205522 E 260603 VR8105K2424, Nat, single stage (Code Y2 or Z3) M/H 1/2 1205582 E 260603 VR8105K2424, Nat, single stage (Code Y2 or Z7) M/H 1/2 196848 (X7or23)N/A 6E 260603 VR8105K2424, Nat, single stage, wishtd pilot M/H 1/2 196848 (X7or23)N/A 6E 260603 V | 6A | | | 1/2 | | | |
| AA 36H32-441 Natural, single stage W/R 3/4 221s25 BB 36H32-441 Natural, single stage W/R 3/4 221s26 BI V61542-442 Propense, single stage W/R 3/4 221s26 BI V5155A Mech Mod VIv 40-100° M/H 1 203866-1/A ? V6155A Mech Mod VIv 40-120° M/H 1 203866-1/A ? V78105K2942, Mst, single stage (Code X 7 or 2.3) M/H 1/2 186640 (Xror2.3) N/A 6E 260603 V78105K2942, Mst, single stage (Code X 7 or 7.3) M/H 1/2 196840 (Xror2.3) N/A 6E 2260603 V78105K2942, Mst, single stage (Code X 7 or 7.3) M/H 1/2 205827 I I 2260603 VR8105K2942, Mst, single stage (Code X 7 or 7.3) M/H 1/2 205861 I 2260603 VR8105K2942, Mst, single stage (Code X 7 or 2.3) M/H 1/2 196840 (Xror2.3) N/A 6E 2260603 VR8205K905, Mst, single stage (Code X 7 or 7.3) M/H 1/2 196890 (V2or27) N/A | 7A | | | · · | | | |
| B 36H32-442 Propane, single stage WR 3/4 221526 B V8155B-2548, Mech Mod Viv 40-160° M/H 1 203866 * B V5155B-2548, Mech Mod Viv 40-160° M/H 1 203869 * B V5155B-2548, Mech Mod Viv 40-160° M/H 112 203869 * ** AG55.3: 1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA witheat Section 200, 259, 300 VR8105K2342, Nat. single stage (Code X7 or Z3) M/H 1/2 196948 (X7orZ3) - N/A 6E 260603 ** AG57.6: 1 Turndown witwo 1-stage valves & a modulating valve, nat gas, RDCA/RDDA with Heat Section 200 VR8105K2342, Nat. single stage (Code X7 or Z3) M/H 1/2 205582 ** AG57.6: 1 Turndown witwo 1-stage valves & a modulating valve, nat gas, RDCA/RDDA with Heat Section 200 VR8105K2342, Nat. single stage (Code X7 or Z3) M/H 1/2 196948 (X7orZ3) - N/A 6E 260603 ** MR410-1, Maxitroi Modulating Valve Maxitroi 1/2 196848 (X7orZ3) - N/A 6E 260603 ** MR410-1, Maxitroi Modulating Valve Maxitroi 1/2 196848 (X7orZ3) - N/A | 8A | | | | | | |
| BB V8544N-1053, 2-Stage, Natural MH 1 203866 Image: Control of Contr | 9A | 36H32-441 Natural, single stage | | 3/4 | 221525 | | |
| BB V5155B-2548, Mech Mod VIv 40-160° MH 1 203868-NIA 3 B V5155M-2548, Mod VIv 40-120° MH 1 203869 - SB (Two VR8105K2942, Nat, single stage (Code Y2 or Z2) MH 1/2 196848 (X7orZ3) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) MH 1/2 196848 (X7orZ3) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) MH 1/2 196848 (X7orZ3) - N/A 6E 206063 VR8205K9405, Nat, single stage (Code X7 or Z3) MH 1/2 196848 (X7orZ3) - N/A 6E 206063 VR8105K242, Nat, single stage (Code X7 or Z3) MH 1/2 196984 (X7orZ3) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code X7 or Z3) MH 1/2 196984 (X7orZ3) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code X7 or Z3) MH 1/2 196848 (X7orZ3) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code X7 or Z3) MH 1/2 196848 (X7orZ3) - N/A 6E 260603 VR8105K2942, Nat, | 1B | | | 3/4 | 221526 | | |
| B V\$155A Meech Mod Vix 40-120" M/H 1 20366 BR (mov) "AG55, 3:1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA withat Section 200, 250, 300 VR8105KX2942, Nat, single stage (Code X7 or Z3) M/H 11/2 196848 (X7orZ3) - N/A 6E 260603 BR (hree) VR8105KX2942, Nat, single stage (Code X7 or Z3) M/H 11/2 12196848 (X7orZ3) - N/A 6E 260603 VR8105KX2942, Nat, single stage (Code X7 or Z3) M/H 11/2 12196848 (X7orZ3) - N/A 6E (2) 266603 VR8105KX2942, Nat, single stage (Code X7 or Z3) M/H 11/2 12196848 (X7orZ3) - N/A 6E 266603 VR8105KX2942, Nat, single stage (Code Y2 or Z7) M/H 11/2 196848 (X7orZ3) - N/A 6E 266603 VR8105KX2942, Nat, single stage (Code Y2 or Z7) M/H 11/2 196848 (X7orZ3) - N/A 6E 266603 VR8105KX2942, Nat, single stage (Code Y2 or Z7) M/H 11/2 205581 E 266603 VR8105KX2942, Nat, single stage (Code Y2 or Z7) M/H 11/2 205581 E 260603 VR8105KX2942, Nat, single stage | 2B | V8944N-1053, 2-Stage, Natural | M/H | 1 | 203866 | | |
| Bit (Two (alves) *** AG55.3:1*Urndown with two 1-stage valves, natural gas. RDCA/RDDA witheat Section 200, 250, 300 VR8205K8905, Nat, single stage (Code X or 23) M/H 1/2 198484 (X7or23) - N/A 6E 260603 Bit (Three VR8205K8905, Nat, single stage (Code Y or 27) M/H 1/2 1986848 (X7or23) - N/A 6E 260603 *** AG57, 6:1*Urndown witwo 1-stage valves & a modulating valve, nat gas. RDCA/RDDA witheat Section 100, 150 VR8105K2942, Nat, single stage (Code Y or 23) M/H 1/2 1996848 (X7or23) - N/A 6E 260603 *** AG57, 6:1*Urndown witwo 1-stage valves & a modulating valve, nat gas. RDCA/RDDA witheat Section 200 VR8105K2942, Nat, single stage (Code Y or 23) M/H 1/2 196848 (X7or23) - N/A 6E 260603 *** AG57, 6:1*Urndown witwo 1-stage valves & a modulating valve, nat gas. RDCA/RDDA witheat Section 250, 300 VR8205K8905, Nat, single stage (Code Y or 23) M/H 1/2 196848 (X7or23) - N/A 6E 260603 ** AG57, 6:1*Urndown wittwo 1-stage valves & a modulating valve, mat gas. RDCA/RDDA witheat Section 250, 300 VR8205K9805, Nat, single stage (Code Y or 23) M/H 1/2 196848 (X7or23) - N/A 6E 260603 ** AG57, 6:1*Urndown with two 1-st | 3B | | M/H | 1 | 203868-N/A | 3 | |
| B (IWo VR8105K2942, Nat, single stage (Code YZ or Z3) M/H 1/2 196848 (X7023) N/A EE 260603 VR8105K2942, Nat, single stage (Code YZ or Z7) M/H 1/2 196848 (X70723) N/A EE 260603 B (Three VR8105K2942, Nat, single stage (Code YZ or Z3) M/H 1/2 (2)96848 (X70723) N/A EE (2) 260603 Markitol Markitol Markitol Markitol Markitol N/A (2) 260603 Markitol Markitol Markitol Markitol Markitol Markitol (2) 260603 Markitol Markitol Markitol Markitol Markitol M/A (2) 260603 Markitol Markitol Markitol M/A (2) 265612 (2) 260603 Markitol Markitol Markitol M/A (2) 265631 (2) 260603 Markitol Markitol Markitol M/A (2) 265581 (2) 260603 Markitol Markitol Markitol M/A (2) 265580 (2) 200727) (4) 2 (2) 260603 | 4B | V5155A Mech Mod Vlv 40-120° | M/H | 1 | 203869 | | |
| VFR 105A-2942, Mat, single stage (Code X or 23) Writh 11/2 196848 (X1023) - IV/A Bet 260603 3B (Three Valves) ************************************ | 5D (T | ⁴¹ AG55, 3:1 Turndown with two 1-stage valves, n | atural gas, R | DCA/RE | DDA w/Heat Section 200, 2 | 50, 300 | |
| VR8205A9305, Nat, single stage (Code Y2 of Z/) WirH 11/2 1199580 (VR8212/) - N/A Fe 120033 SB (Three Valves) VAGST, 6:1 Turndown withvo 1-stage valves & a modulating valve, at gas. RDCA/RDDA with Heat Section 100. 150 VR8105K2042, Nat, single stage (Code X7 or Z3) M/H 11/2 2105582 12012/) - N/A 6E (2) 260603 VR8105K2042, Nat, single stage (Code X7 or Z3) M/H 11/2 196980 (Y20727) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code Y or Z7) M/H 11/2 196980 (Y20727) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code Y or Z7) M/H 11/2 196980 (Y20727) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code Y or Z7) M/H 11/2 196980 (Y20727) - N/A 6E 260603 VR8105K2942, Nat, single stage, wistind pilot M/H 11/2 196980 (Y20727) - N/A 6E 260603 VR8205K8905, Nat, single stage, wistind pilot M/H 11/2 196840 (X70723) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code X or Z3) M/H 11/2 196840 (X70723) - N/A 6E | | VR8105K2942, Nat, single stage (Code X7 or Z3) | M/H | 1/2 | 196848 (X7orZ3) - N/A | 6E | 260603 |
| bit (Infered VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 (2)196848 (X7orZ3) - N/A 6E (2) 260603 MR410-1, Maxitrol Modulating Valve Maxitrol 1/2 205582 1/2 205582 1/2 205582 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205580 1/2 205580 1/2 205580 1/2 205580 1/2 205580 1/2 1/2 205580 1/2 1/2 205580 1/2 1/2 205580 1/2 1/2 1/2 20560 1/2 1/2 205580 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 <td< td=""><td>valves)</td><td>VR8205K8905, Nat, single stage (Code Y2 or Z7)</td><td>M/H</td><td>1/2</td><td>196980 (Y2orZ7) - N/A</td><td>6E</td><td>260603</td></td<> | valves) | VR8205K8905, Nat, single stage (Code Y2 or Z7) | M/H | 1/2 | 196980 (Y2orZ7) - N/A | 6E | 260603 |
| bit (Infered VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 (2)196848 (X7orZ3) - N/A 6E (2) 260603 MR410-1, Maxitrol Modulating Valve Maxitrol 1/2 205582 1/2 205582 1/2 205582 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205581 1/2 205580 1/2 205580 1/2 205580 1/2 205580 1/2 205580 1/2 1/2 205580 1/2 1/2 205580 1/2 1/2 205580 1/2 1/2 1/2 20560 1/2 1/2 205580 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 <td< td=""><td></td><td></td><td>nodulating v</td><td>alve na</td><td>· · · · · · · · · · · · · · · · · · ·</td><td>t Sectior</td><td>100 150</td></td<> | | | nodulating v | alve na | · · · · · · · · · · · · · · · · · · · | t Sectior | 100 150 |
| MR410-1, Maxitrol Modulating Valve Maxitrol 1/2 205522 1 ** A657, 6:1 Turndown witwo 1-stage valves & a modulating valve, nat gas, RDCA/RDDA with Heat Section 200 VR8105K2942, Nat, single stage (Code Y2 or Z7) M/H 1/2 196846 (X7orZ3) - N/A 6E 260603 #A10-1. Maxitrol Modulating Valve Maxitrol 1/2 205581 1 1 ** A657, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 250, 300 300 ** A657, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 250, 300 300 ** A657, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 100, 150 300 ** VR8105K2942, Nat, single stage, w/stnd pilot M/H 1/2 205800 2060603 ** ** VR8200M7005, Natrus, single stage, w/stnd pilot M/H 1/2 209812 1 ** ** ** YR8105K2942, Nat, single stage (Code Y or Z3) M/H 1/2 196848 (X7or23) - N/A 6E 260603 ** ** ** YR8105K2942, Nat, single stage (Code Y or Z3) M/H | | = | - | | _ | | |
| ** AGS7. 6:1 Turndown with 0 1-stage valves & a modulating valve, nat gas, RDCA/RDDA with Heat Section 200 /*B (Three) VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 /*Alves) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 205851 E /*Alves) VR8105K2942, Nat, single stage (Code Y2 or Z7) M/H 1/2 205851 E E E Cole03 /*B10 VR8105K2942, Nat, single stage (Code Y2 or Z7) M/H 1/2 205850 E E Cole03 /*B110 Maxitrol Modulating Valve Maxitrol 1/2 205850 E E Cole03 /*B110 Mixitrol Modulating Valve Maxitrol 1/2 205850 E E Cole03 /*B110 Mixitrol Modulating Valve Maxitrol 1/2 209412 I I E Cole03 /*B200M7013, LP, single stage (Code Y or Z3) M/H 1/2 196848 (X7orZ3) - N/A E 260603 /*A1655, 3:1 Turndown with two 1-stage valves, nat gas, RDCA/ | Valves) | | | | · · / | | (2) 200003 |
| PB (Three VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196980 (Y20rZ7) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y20rZ7) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code Y2 or Z7) M/H 1/2 205581 20003 VR8105K2942, Nat, single stage (Code Y2 or Z7) M/H 1/2 296848 (X70rZ3) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 296848 (X70rZ3) - N/A 6E 260603 VR8200M7013, LP, single stage, wistnd pilot M/H 1/2 209412 2004212 2004212 200412 200412 200412 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>l laat Saat</td><td>ion 200</td></td<> | | | | | | l laat Saat | ion 200 |
| Valves) VR8205K8905, Nat, single stage (Code Y2 or Z7) MH 1/2 | | | | | | | |
| ImR410-1, Maxitrol Modulating Valve Maxitrol 1/2 205581 * AG57, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 250, 300 ** * R8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 96848 (X7orZ3) - N/A 6E 260603 * VR8105K2942, Nat, single stage (Code Y2 or Z7) M/H 1/2 205580 - * VR8200M7005, Natural, single stage, wistnd pilot M/H 1/2 205800 - * VR8200M7005, Natural, single stage, wistnd pilot M/H 1/2 209412 - * C (Two * AG55. 3:1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA with Heat Section 100. 150 - VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 * VR8105K2942, Nat, single stage (Code Y3 or Z8) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 * C (Two * AG55. 3:1 Turndown w/two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 100. 150 - - * VR8105K2959, Pro, single stage (Code Y3 or Z5) M/H 1/2 196850 (Y3orZ5) - N/A 5E 260603 | | | | | | - | |
| Bit Three ¹ A G57. 6:1 Turndown w/two 1-stage valves & a modulating valve. nat gas. RDCA/RDDA w/Heat Section 250. 300 BB (Three VR8105K2942, Nat, single stage (Code Y2 or Z3) M/H 1/2 196980 (Y2orZ3) - N/A 6E 260603 VR8205K8065, Nat, single stage (Code Y2 or Z3) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8200M7005, Natural, single stage (Code Y2 or Z3) M/H 1/2 205580 CV RR8200M7005, LPL single stage, wishtd pilot M/H 1/2 209412 CC TWe "AG55.3:1 Turndown with two 1-stage valves, natural gas. RDCA/RDDA with Heat Section 100, 150 2060603 VR8105K2942, Nat, single stage (Code Y7 or Z3) M/H 1/2 196844 (X7orZ3) - N/A 6E 260603 C (Three) "AG55.3:1 Turndown w/three 1-stage valves, nat gas. RDCA/RDDA w/Heat Section 450, 500, 550, 600, 650, 700 Valves/Valves WR8105K2942, Nat, single stage (Code Y2 or Z7) M/H 1/2 (1)968961 (Y3orZ8) VR8105K2950, Nat, single stage (Code Y2 or Z7) M/H 1/2 (1)968961 (Y3orZ8) <t< td=""><td>valves)</td><td></td><td></td><td></td><td></td><td>16E</td><td>260603</td></t<> | valves) | | | | | 16E | 260603 |
| Bit (Three /alves) VR8105/k2942, Nat, single stage (Code X7 or Z3) M/H 1/2 96848 (X70rZ3) - N/A 6E 260603 MR510, Maxitrol Modulating Valve Maxitrol 1/2 205580 6E 260603 6E 260603 6E 260603 6E 260603 6E 260603 6E 260603 AS55.3:1 Turndown with two 1-stage valves, nat ural gas. RDCA/RDDA with et section 100, 150 260603 260603 Asia single stage (Code X7 or Z3) M/H 1/2 196848 (X70rZ3) - N/A 6E 260603 260603 260603 Asia single stage (Code X7 or Z3) M/H 1/2 196848 (X70rZ3) - N/A 6E 260603 260603 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>050,000</td> | | | | | | | 050,000 |
| Values) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196880 (Y2orZ7) - N/A 6E 260603 MR510, Maxitrol Modulating Valve Maxitrol 1/2 205580 | | | | | | | |
| MR510, Maxitrol Modulating Valve Maxitrol 1/2 205580 3B VR8200M7005, Natural, single stage, w/stnd pilot M/H 1/2 208920 1C VR8200M7005, Natural, single stage, w/stnd pilot M/H 1/2 208920 4" AG55.3:1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA with Heat Section 100, 150 VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 3C (Three ** AG55.3:1 Turndown withree 1-stage valves, nat gas, RDCA/RDDA witheat Section 450, 500, 550, 600, 650, 700 (2) VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 1/4 (2)196981 (Y3orZ8) VR80505K905, Pro, single stage (Code Y3 or Z8) M/H 3/4 (2)196981 (Y3orZ8) ** AG55.3:1 Turndown withroe 1-stage valves, propane gas, RDCA/RDDA witheat Section 100, 150, 200, 250, 300 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 ** AG55.3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA with Heat Section 350, 400 VR8105K2959, Pro, single stage (Code X9 or Z5) | | | | | | | |
| BB VR8200M7005, Natural, single stage, w/stnd pilot M/H 1/2 208920 IC VR8200M7005, Natural, single stage, w/stnd pilot M/H 1/2 209412 IC VR8200M7013, LP, single stage, w/stnd pilot M/H 1/2 209412 IC WR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 SC (Three ''AG55, 3:1 Turndown w/three 1-stage valves, nat gas, RDCA/RDDA w/Heat Section 1450, 500, 550, 600, 650, 700 260603 260603 260603 200603 260603 260603 260603 </td <td>valves)</td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td>I6E</td> <td>260603</td> | valves) | | | | · · · · · · · · · · · · · · · · · · · | I6E | 260603 |
| IC VR8200M7013, LP, single stage, w/stnd pilot M/H 1/2 209412 Image: Comparison of the context of the contex | | | | | | | |
| *** AG55. 3:1 Turndown witht wo 1-stage valves. natural gas. RDCA/RDDA with Heat Section 100. 150 VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 3C (Three /alves) ** AG55. 3:1 Turndown withree 1-stage valves, nat gas. RDCA/RDDA w/Heat Section 450, 500, 550, 600, 650, 700 3C (Two /alves) ** AG55. 3:1 Turndown withree 1-stage valves, propane gas. RDCA/RDDA w/Heat Section 100, 150, 200, 250, 300 VR8105K2959, Pro, single stage (Code Y2 or Z7) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single | 9B | | | | | | |
| VC (1wo) VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 VR8105K2942, Nat, single stage (Code X7 or Z3) M/H 1/2 196848 (X7orZ3) - N/A 6E 260603 C(Three /alves) ⁴¹ A655.3:1 Turndown w/three 1-stage valves, ard gas, RDCA/RDDA w/Heat Section 450. 500. 550. 600. 650. 700 (2) VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 1/2 1968981 (Y3orZ8) | 1C | | | | | | |
| Valves) VR8105K2942, Nat, single stage (Code X7 or Z3) I//H 1/2 196846 (X70Z3) - N/A 6E 200003 3C (Three Valves) *** A655, 3:1 Turndown w/three 1-stage valves, nat gas, RDCA/RDDA w/Heat Section 450, 500, 550, 600, 650, 700 (2) VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 (2)196981 (Y3orZ8) *** A655, 3:1 Turndown w/two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 100, 150, 200, 250, 300 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 *** VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 *** VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 *** VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 *** VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 *** VR8305K4258, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - | 2C (Two | | | | | | |
| OrtRotSc2942, Nat, Single Stage (Code X7 or Z3) IM/H I/2 I196848 (X/orZ3) - N/A BE I20603 3C (Three /alves) ⁴¹ AG55, 3:1 Turndown w/three 1-stage valves, nat gas, RDCA/RDDA w/Heat Section 450, 500, 550, 600, 650, 700 (2) VR8305K4241, Nat, single stage (Code Y2 or Z7) M/H 3/4 (2)196981 (Y3orZ8) (2) VR8305K4241, Nat, single stage (Code Y2 or Z7) M/H 1/2 (1)196980 (Y2orZ7) - N/A 6E 260603 41 AG55, 3:1 Turndown w/two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 100, 150, 200, 250, 300 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 5C (Two ⁴¹ AG55, 3:1 Turndown w/thw 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 350, 400 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 5C (Three /alves) ⁴¹ AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 350, 400 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 5C (Three /alves) ⁴¹ AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 350, 400 VR8105K2959, Pro, single stage (Code Y5 or 1A) M/H 3/4 196850 | | | | | | | |
| C (Three /alves) (2) VR8305K4241, Nat, single stag (Code Y3 or Z8) M/H 3/4 (2)196981 (Y3orZ8) Valves) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 (1)196980 (Y2orZ7) - N/A 6E 260603 41 AG55, 3:1 Turndown w/two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 100, 150, 200, 250, 300 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 50 (Two Valves) VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 50 (Two Valves) 41 AG55, 3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA with Heat Section 350, 400 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 50 (Three Valves) 41 AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 350, 400 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 50 (CThree Valves) 41 AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 350, 400 VR8105K2959, Pro, single st | | | | | | | |
| Valves) (2) VR5305/4241, Nat, single stig (Code 13 0125) (M/H 3/4 (2) 196361 (130125) VR8205K8905, Nat, single stage (Code Y2 or Z7) (M/H 1/2 (1) 196980 (Y2orZ7) - N/A 6E 260603 41 AG55, 3:1 Turndown w/two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 100, 150, 200, 250, 300 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 5C (Two /alves) 41 AG55, 3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 350, 400 263999 5C (Two /alves) 41 AG55, 3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 350, 400 263999 5C (Three /alves) 41 AG55, 3:1 Turndown withree 1-stage valves, propane gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 5C (Three /alves) 41 AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 7C (Three /alves) 41 AG57, 6:1 Turndown w/three 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 7C (Three /alves) 26G7, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 7C (Three /alves) 42G57, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 78305K42 | 3C (Three | | | | | <u>50, 600, </u> | <u>650, 700</u> |
| 41 AG55, 3:1 Turndown w/two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 100, 150, 200, 250, 300 42 (Trop Valves) 41 AG55, 3:1 Turndown w/two 1-stage valves, propane gas, RDCA/RDDA w/Heat Section 100, 150, 200, 250, 300 43 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 55 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 56 (Trop Valves) 41 AG55, 3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA with Heat Section 350, 400 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 56 (Three Valves) 41 AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 63C (Three Valves) 44 AG55, 3:1 Turndown w/three 1-stage valves, a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 VR8105K2959, Pro, single stage (Code Y3 or Z8) M/H 1/2 | Valves) | | | i | <u>, , , , , , , , , , , , , , , , , , , </u> | | |
| VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 GC (Two Valves) | 141100) | | | | | | |
| Values) VR8105R2959, Pr0, single stage (Code X9 or Z5) M/H 1/2 196830 (X90725) - N/A 9E 263999 SC (Two /alves) ⁴¹ AG55. 3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA with Heat Section 350, 400 9E 263999 SC (Two /alves) ⁴¹ AG55. 3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA with Heat Section 350, 400 9E 263999 SC (Three /alves) ⁴¹ AG55. 3:1 Turndown withree 1-stage valves, propane gas, RDCA/RDDA witheat Sctn 450, 500, 550, 600, 650, 700 9E 263999 SC (Three /alves) ⁴¹ AG55. 3:1 Turndown withree 1-stage valves, propane gas, RDCA/RDDA witheat Sctn 450, 500, 550, 600, 650, 700 9E 263999 SC (Three /alves) ⁴¹ AG55. 3:1 Turndown withree 1-stage valves, propane gas, RDCA/RDDA witheat Sctn 450, 500, 550, 600, 650, 700 Stage 1 Stage 2 C (Three /alves) 2 AG57. 6:1 Turndown withree 1-stage valves & a modulating valve, nat gas, RDCA/RDDA witheat Section 350, 400 Stage 2 Stage 2 7C (Three /alves) 2 AG57. 6:1 Turndown with 0 -stage valves & a modulating valve, nat gas, RDCA/RDDA witheat Section 350, 400 Stage 2 Stage 2 7C (Thr | | | | | DA w/Heat Section 100, 15 | <u>0, 200, 2</u> | <u>50, 300</u> |
| VR8105K2959, Pro, single stage (Code X9 or Z5) IM/H 11/2 196850 (X90r25) - N/A 9E 263999 5C (Two /alves) ⁴¹ AG55. 3:1 Turndown with two 1-stage valves, propane gas, RDCA/RDDA with Heat Section 350, 400 9E 263999 5C (Two /alves) VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X90r25) - N/A 9E 263999 5C (Three /alves) 41 AG55. 3:1 Turndown withree 1-stage valves, propane gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 550, 600, 650, 700 5C (Three /alves) 41 AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 550, 600, 650, 700 5C (Three /alves) 41 AG55, 3:1 Turndown w/three 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Scction 350, 400 70 7C (Three /alves) 2 AG57, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 70 7C (Three /alves) 2 AG57, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 70 7C (Three /alves) 2 AG57, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 70 7C (Three /alves) 42 AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 3 | | VR8105K2959, Pro, single stage (Code X9 or Z5) | M/H | 1/2 | 196850 (X9orZ5) - N/A | 9E | 263999 |
| Oc (Iwo /alves) VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single stage (Y5 or 1A) M/H 3/4 196983 (Y5or1A) Image: Stage (Y5or1A) Image: Sta | 1011003) | VR8105K2959, Pro, single stage (Code X9 or Z5) | M/H | 1/2 | 196850 (X9orZ5) - N/A | 9E | 263999 |
| Oc (Iwo /alves) VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 VR8105K2959, Pro, single stage (Y5 or 1A) M/H 3/4 196983 (Y5or1A) Image: Stage (Y5or1A) Image: Sta | 5C (Two | | ropane gas, | RDCA/R | DDA with Heat Section 35 | <u>50, 400</u> | |
| VR8305K4258, Pro, single stage (Y5 or 1A) M/H 3/4 196983 (Y5or1A) 36C (Three valves) ⁴¹ AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 372 (2) VR8305K4258, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 372 (2) VR8305K4258, Pro, single stage (Code Y5 or 1A) M/H 3/4 (2)196983 (Y5or1A) 0 374 (2) VR8305K4258, Pro, single stage (Code Y5 or 1A) M/H 3/4 (2)196983 (Y5or1A) 0 374 (2) VR8305K4258, Pro, single stage (Code Y3 or Z8) M/H 3/4 (2)196983 (Y5or1A) 0 375 (7) VR8305K4241, Nat, single stage (Code Y2 or Z7) M/H 3/4 196981 (Y3orZ8) 0 0 376 (Three valves) 2 AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 < | | | | | | | 263999 |
| A: AG55, 3:1 Turndown w/three 1-stage valves, propane gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 (2) VR8305K4258, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 (2) VR8305K4258, Pro, single stg (Code Y5 or 1A) M/H 3/4 (2)196983 (Y5or1A) 1 7C (Three VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) 1 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 MR610-1-66, Modulating Valve Maxitrol 3/4 208370 1 208370 4* AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 1 208370 1 3C (Three (2) VR8305K4241, Nat, single stg (Code Y3 or Z8) M/H 3/4 (2)196981 (Y3orZ8) 1 3C (Three (2) VR8305K4241, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Nat, | valves) | | M/H | 3/4 | | | |
| VR8105K2959, Pro, single stage (Code X9 or Z5) M/H 1/2 196850 (X9orZ5) - N/A 9E 263999 (2) VR8305K4258, Pro, single stg (Code Y5 or 1A) M/H 3/4 (2)196983 (Y5or1A) (2) VR8305K4258, Pro, single stg (Code Y3 or 7A) M/H 3/4 (2)196983 (Y5or1A) (2) VR8305K4241, Nat, single stage (Code Y3 or 7A) M/H 3/4 196981 (Y3or7A) (2) VR8305K4241, Nat, single stage (Code Y2 or 77) M/H 1/2 196980 (Y2or77) - N/A 6E 260603 (2) VR8205K8905, Nat, single stage (Code Y2 or 77) M/H 1/2 196980 (Y2or77) - N/A 6E 260603 (2) VR8305K4241, Nat, single stage (Code Y3 or 7A) M/H 3/4 208370 3C (Three (2) VR8305K4241, Nat, single stg (Code Y3 or 7A) M/H 3/4 (2)196981 (Y3or7A) 3C (Three (2) VR8305K4241, Nat, single stage (Code Y2 or 77) M/H 1/2 196980 (Y2or77) - N/A 6E 260603 (2) VR8305K4241, Nat, single stage (Code Y2 or 77) M/H 1/2 196980 (Y2or77) - N/A | | | | | · · · · · · · · · · · · · · · · · · · | 550, 600 | 0, 650, 700 |
| Valves) (2) VR8305K4258, Pro, single stg (Code Y5 or 1A) M/H 3/4 (2) 196983 (Y5or1A) 2 AG57, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 MR610-1-66, Modulating Valve Maxitrol 3/4 208370 3C (Three 42 AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 3C (Three 42 AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 3C (Three 42 AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 3C (Three 42 AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 3C (Three VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H | | | | | | | |
| ² AG57, 6:1 Turndown w/two 1-stage valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Section 350, 400 VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 MR610-1-66, Modulating Valve Maxitrol 3/4 208370 208370 *** AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 600, 650, 700 *** AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 600, 650, 700 *** AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 600, 650, 700 *** AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 700 *** AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 700 *** AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 700 *** AG57, 6:1 Turndown wi/1 stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 *** MR610-1-88, Modulating Valve <td>Valves)</td> <td></td> <td></td> <td></td> <td></td> <td><u> · ·</u></td> <td></td> | Valves) | | | | | <u> · ·</u> | |
| VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 MR610-1-66, Modulating Valve Maxitrol 3/4 208370 208370 2000, 550, 600, 650, 700 SC (Three ⁴² AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 200, 550, 600, 650, 700 200, 550, 600, 650, 700 SC (Three (2) VR8305K4241, Nat, single stg (Code Y3 or Z8) M/H 3/4 (2)196981 (Y3orZ8) 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y3 or Z8) Maxitrol 1 208371 1 | | | | | | Section | 350, 400 |
| Values) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 MR610-1-66, Modulating Valve Maxitrol 3/4 208370 208371 208370 208370 208370 208370 208370 208371 | 7C (Three | | | r | | | |
| MR610-1-66, Modulating Valve Maxitrol 3/4 208370 42 AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 (2) VR8305K4241, Nat, single stg (Code Y3 or Z8) M/H 3/4 (2)196981 (Y3orZ8) (2) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 VR8205K8905, Stat, single stage (Code Y3 or Z8) M/H 1 208371 1 208371 OC (Three (VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) 1 | | | | - | | 6F | 260603 |
| 4² AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 3C (Three valves) 4² AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 3C (Three valves) 4² AG57, 6:1 Turndown w/3 1-stg valves & a modulating valve, nat gas, RDCA/RDDA w/Heat Sctn 450, 500, 550, 600, 650, 700 3C (Three valves) 4² AG57, 6:1 Turndown w/3 1-stg valves or Z8) M/H 3/4 (2)196981 (Y3orZ8) 41 AG55, 3:1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA with Heat Section 350, 400 41 AG55, 3:1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA with Heat Section 350, 400 VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) | | | | | | | |
| 3C (Three Valves) (2) VR8305K4241, Nat, single stg (Code Y3 or Z8) M/H 3/4 (2)196981 (Y3orZ8) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 MR610-1-88, Modulating Valve Maxitrol 1 208371 AC (Three VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) | | ¥ | | | | n 450 50 | 0 550 600 650 700 |
| Valves) VR8205K8905, Nat, single stage (Code Y2 or Z7) M/H 1/2 196980 (Y2orZ7) - N/A 6E 260603 MR610-1-88, Modulating Valve Maxitrol 1 208371 OC (Three (Alves) 41 AG55, 3:1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA with Heat Section 350, 400 VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) | OC (Three | | | | v | 1 400, 00 | |
| MR610-1-88, Modulating Valve Maxitrol 1 208371 OC (Three (Alves) 41 AG55, 3:1 Turndown with two 1-stage valves, natural gas, RDCA/RDDA with Heat Section 350, 400 VR8305K4241, Nat, single stage (Code Y3 or Z8) | | | | | · · / | 65 | 260603 |
| AC (Three VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) | valvesj | | | | · · · · · · · · · · · · · · · · · · · | | 200003 |
| VR8305K4241, Nat, single stage (Code Y3 or Z8) M/H 3/4 196981 (Y3orZ8) | | | | | | | L |
| (alves) VR0505R4241, Nat, single stage (Code 15 of 26) M/H [3/4 [196961 (150/26) | 9C (Three | | | | | <u>, 400</u> I | |
| IVR8205K8905, Nat, single stage (Code Y2 or Z1) IM/Η I1/2 I196980 (Y2orZ7) - N/A I6E I260603 | Valves) | | | | · · · · · | | |
| | , | VR8205K8905, Nat, single stage (Code Y2 or Z7) | IM/H | 1/2 | 196980 (Y2orZ7) - N/A | 6E | 260603 |

(continued)

See ALL notes on pages 19-22. N/A = Not Available. See illustrations on pages 23-27.

| Serial | Original Valve on Heater | Valve | Pipe | P/N | | Replacement |
|-----------|---|------------------|---------------|---------------------------|---------------------------|---------------------------------|
| No. Code | · · · · · · · · · · · · · · · · · · · | Mfr ¹ | Size | | Code | P/N |
| D | V5097C1000, Natural or Propane | M/H | 3/4x2 | 203862 | | |
| 2D | 36H32-423, Natural, single stage | W/R | 3/4x3/4 | 221633 | | |
| | AG70, 8:1 Turndown w/dual 1-stg valve & actuate | ed ball va | lve (nat g | <u>as only), RDCB/RDE</u> | B/RDCC/RDDC | w/Ht Sctn 400, 500, |
| BD (Two | <u>600, 700, 800</u> | | 1. | 1 | | r |
| /alves) | | M/H | 1 | 159743 (V1) | | |
| | | RTC | | 222861 | | |
| 4D (Three | AG70, 16:1 Turndown w/dual 1-stg valve & actual | | | | DB w/Ht Sctn 1 | <u>000, 1200, 1400, 1600</u> |
| Valves) | | M/H | 1 | 159743 (V1) | | |
| | | RTC | | 222861 | | |
| 5D (Two | AG69, 2-stg gas control, RDCB/RDDB with Heat S | v | | | | |
| Valves) | VR8405M5228 Natural, dual 1-stg (Code V1) | M/H | 1 | 159743 (V1) | | |
| | | M/H | 1 | 203866 (2B) | | |
| 6D (Four | AG69, 2-stg gas control,, RDCB/RDDB with Heat | | | | | |
| Valves) | | M/H | 1 | 159743 (V1) | | |
| /4//05/ | | M/H | 1 | 203866 (2B) | | |
| | AG70, 8:1 Turndown with 1-stg valve & actuated | | | | | |
| 7D (Two | AG58 & D12G, 8:1 Turndown with 1-stg valve & a | ctuated I | call valve | (natural gas), RDH S | <u> Sizes 225, 225, 2</u> | 250, 300, 350, 400A ar |
| Valves) | SHH Sizes 260 & 350 | | | | | |
| 141463) | | M/H | 3/4 | 196981 | ⁴⁵ RDCB/RDDE | 3 replace w/150839 (U) |
| | | RTC | | 258321 | | |
| | AG70, 8:1 Turndown with 1-stg valve & actuated | | | | | |
| | AG58 & D12G, 6:1 Turndown with 1-stg valve & a | ctuated I | call valve | (propane), RDH Size | es 225, 225, 25 | <u>0, 300, 350, 400A and</u> |
| 3D (Two | SHH Sizes 260 & 350 | | | | | |
| Valves) | VR8305K4258, LP, single stage(Code Y5 or 1A) | M/H | 3/4 | 196983 | ⁴⁵ RDCB/RDDE | 8 replace w/150840 (U |
| | ⁴³ ABV-3.4NN Ball Valve | RTC | | 258321 | | |
| | AG70, 8:1 Turndown w/1-stg valve & actuated ba | | natural ga | | It Sctn 100 150 | 200 |
| | AG58 & D12G, 8:1 Turndown w/1-stg valve & actu | | | | | |
| 9D (Two | | | 1 | | | B replace w/147830 (U |
| Valves) | VR8205K8905, Nat, single stage (Code Y2 or Z7) | M/H | 1/2 | 196980 - N/A | | w/260603 (6E) |
| | ⁴³ ABV-1.2NN Ball Valve | RTC | | 255786 | | |
| | AG70, 8:1 Turndown w/1-stg valve & actuated ba | | propane). | | ctn 100, 150, 20 | 0 |
| | AG58 & D12G, 6:1 Turndown with 1-stg valve & a | | | | | |
| 1E (Two | | | 1 | | | B replace w/260606 (88 |
| Valves) | VR8205K2965, LP, single stage (Y4orZ9) | M/H | 1/2 | 196982 - N/A | | w/263999 (9E) |
| | ⁴³ ABV-1.2NN Ball Valve | RTC | | 255786 | | |
| | AG70, 8:1 Turndown with 1-stg valve & actuated | |) (notural | | | h Ut Soto 250, 200 |
| 2E (Two | | M/H | 3/4 | | | <u>іі пі эсії 250, 300</u> Т |
| Valves) | VR8305M4009, Natural, single stage (U6) ⁴³ ABV-3.4NN Ball Valve | RTC | 3/4 | 150839 (U6) 258321 | | |
| | | | . (| | | 14 Data 250, 200 |
| 3E (Two | AG70, 8:1 Turndown with 1-stg valve & actuated | | | | | <u>11 SCIN 250, 300</u> |
| Valves) | | M/H | 3/4 | 150840 (U7) | | |
| | | RTC | | 258321 | | |
| 4E (Two | AG70, 8:1 Turndown w/1-stg valve & actuated ba | | | | CC/RDDC w/Ht | <u>Seth 100, 150, 200</u> |
| Valves) | | M/H | 1/2 | 147830 | | ļ |
| , | | RTC | <u> </u> | 255786 | | <u> </u> |
| 5E (Two | AG70, 8:1 Turndown w/1-stg valve & actuated ba | | | | | |
| Valves) | VR8205M1148 Propane, single stage (U3) | M/H | 1/2 | 147560 | 8E | 260606 |
| • | | RTC | | 255786 | | |
| 6E | VR8215T1239, Natural, single stage (slow opening) | | 1/2 | 260603 | | ļ |
| 7E | | МН | 1/2 | 260604 | 1 | ļ |
| BE | | МН | 1/2 | 260606 | | ļ |
| 9E | VR8215T5214, Propane, single stage (slow opening) | мн | 1/2 | 263999 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

<u>NOTES</u> for pages 11-18, "Type of Valve Originally Supplied"

- ¹ G/C = General Controls; J/C = Johnson Controls; M/H = Minneapolis Honeywell; M/N = McQuay- Norris; R = Robertshaw; W/R = White-Rodgers
- ² Functional replacement may require field-furnished reducers and/or nipples. Replacement valves subject to change without notice.
- ³This item is no longer available. Suggest you contact the control manufacturer for replacement or functional replacement.
- ⁴Original no longer available. Contact Reznor[®] representative to determine availability of functional replacement. Provide complete Model No., type of gas, and type of pilot.
- ⁵Single-stage solenoid valve.
- ⁶Two-stage solenoid valve.
- ⁷ Combination valve consisting of automatic gas valve, pilot line filter, pressure regulator, pilot shutoff, manual shutoff, and safety pilot, all in one body.
- ⁸ Combination valve consisting of automatic gas valve, manual shutoff, pilot shutoff, and safety pilot, all in one body.
- ⁹Same as ⁸except 115 volts and less manual shutoff.
- ¹⁰ J/C #H91LG-8, 3/4", may require field supplied 3/4 x 1/2 bushings.
- ¹¹ When used as a functional replacement, this valve replaces valve and pressure regulator on unit and safety pilot.
- ¹² Requires male compression nut, **P/N 9664** (Baso #43283-2), for 1/4" pilot tubing connection (remove pilot tubing fitting supplied with valve). Some replacement applications require field-supplied 3/4x1/2 bushing and/or pipe nipple. If installed on Model (C)XL(B), (C)EEXL(B), or EEDU, a new bracket for assembling the valve and ignition controller is required; order **P/N 124019**.
- ¹³ Single-stage solenoid valve, 115 volt
- ¹⁴ Combination two-stage valve consisting of solenoid and regulator, all in one body.
- ¹⁵ Same as Note ¹⁴, except 115 volt
- ¹⁶ Combination side entrance valve consisting of automatic gas valve, pilot line filter, pressure regulator, pilot shutoff, manual shutoff, safety pilot, all in one body.
- ¹⁷ Same as Note ¹⁶ except less regulator.
- ¹⁸ Combination valve consisting of automatic gas valve and manual shutoff, all in one body.
- ¹⁹ Combination valve consisting of automatic gas valve, pilot line filter, pressure regulator, pilot shutoff, and manual shutoff, all in one body, **less safety pilot.**
- ²⁰ For replacement of ECO adapter only on original valve, see page 26. The ECO adapter on the replacement valve is not field replaceable.
- ²¹ Combination valve consisting of automatic gas valve, pilot solenoid, pilot line filter, pressure regulator, pilot shutoff, manual shutoff, all in one body, less safety pilot.
- ²² Combination two-stage valve consisting of solenoid, regulator, pilot line filter, and manual shutoff, all in one body.
- ²³ Modulating redundant valve consisting of solenoid, regulator, and manual shutoff, all in one body, less safety pilot.
- ²⁴ Pilot line solenoid valve on original unit must be removed.
- ²⁵ If installed on a Model (C)XL(B), (C)EEXL(B), or EEDU, a new bracket for assembling the valve and ignition controller is required; order P/N 124019.
- ²⁶ Combination valve consisting of automatic gas valve, regulator, safety pilot or ignition controller, all in one body.
- ²⁷ Combination two-stage valve consisting of solenoid, regulator, pilot shutoff, manual shutoff, and safety pilot, all in one body.
- ²⁸ Special 1/2" H91EG drilled #42 used as low stage on XL30; also used as standard 1/2" H91EG as high stage.
- ²⁹ Combination valve consisting of automatic gas valve, regulator, safety pilot or ignition controller with lockout, all in one body.
- ³⁰ Combination two-stage valve consisting of solenoid, regulator, pilot valve, manual shutoff, all in one body.

(continued)

<u>NOTES</u> (cont'd) for pages 11-18, "Type of Valve Originally Supplied"

- ³¹ Special 1/2" H91EG valve drilled 1/8", used as low stage valve on Model XL60, also used a standard 1/2" H91EG as high stage.
- ³² Special valve furnished by Bell Telephone.
- ³³ Serial No. Codes O1, O2, O3, O4, and O5 apply to units manufactured from 5/90 to 12/90. Beginning with 1/91, these codes were changed to P1, P2, P3, P4 and P5.
- ³⁴ When the current inventory of this valve is depleted, a SINGLE mechanical modulation replacement valve WILL NO LONGER BE AVAILABLE.

WARNING: Do not replace an existing mechanical modulation valve with mechanical modulation valve Code R7, R8, R9, or S1 ONLY. To do so will result in an unsafe condition.

Replacement requires dual functional valves. A mechanical modulation valve plus either a solenoid valve or a single-stage valve depending on the application are required.

Field-furnished pipe nipples will be required to adapt the manifold for the two replacement valves. Install valves in series with single-stage or solenoid valve first and mechanical modulation valve second in the gas stream.

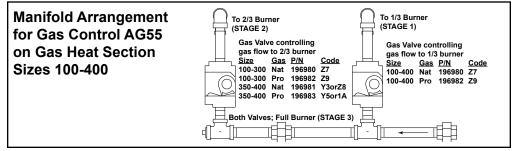
The chart below lists dual functional replacement valves by model/size/gas type combinations. Valves are available for most sizes. When functional replacement valves are not available from Thomas & Betts, contact valve manufacturer concerning availability of a functional replacement.

| *Model Series | Sizes | Gas | Original Valve Code (see Serial No. on Furnace Rating Plate) | P/N's (and Codes) of Valves that can be used as Functional Replacements for the Mechanical Modulation Valve (two replace- ment valves are always required) |
|------------------|-----------|-----------------------|--|--|
| X/RX | 75-350** | Natural | N1 | P/N 131453 (R7) and solenoid valve, P/N 88242 (J/C #H91LG-8) |
| X/RX | 400 | Natural | N1 | Replacement is not available. |
| X/RX | 75-400 | Propane | N3 | P/N 131454 (R9) and solenoid valve, P/N 88242 (J/C #H91LG-8) |
| RG/RP/SSC | 75-225 | Natural | N1, N7, N8, P6, Q7 | P/N 131453 (R7) and Replacement Kit P/N 221634 |
| RG/RP/SSC | 250-400 | Natural | N1 | P/N 131455 (R8) and Replacement Kit P/N 221526 |
| RG/RP/SSC | 250-350** | Natural | N8, N9, P6, Q5 | P/N 131453 (R7) and Replacement Kit P/N 221526 |
| RG/RP/SSC | 400 | Natural | N9, Q5 | Replacement is not available. |
| RG/RP/SSC | 75-225 | Propane | N3, N5, N6, Q9 | P/N 131454 (R9) and Replacement Kit P/N 221634 |
| RG/RP/SSC | 250-400 | Propane | N3 | P/N 131456 (S1) and Replacement Kit P/N 221526 |
| RG/RP/SSC | 250-400 | Propane | N6 | P/N 131454 (R9) and Replacement Kit P/N 221526 |
| ADF/ADFH | 300-1200 | Natural or Propane | N1, N9 | P/N 131455 (R8) and Replacement Kit P/N 221526 |
| | | | . | |

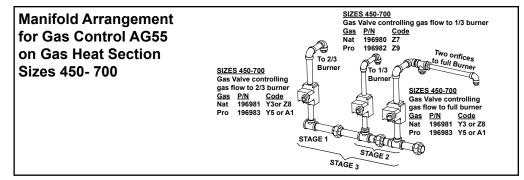
*Only duct furnace model identification of indirect-fired units appears here and on the rating plate. If the duct furnace is part of a Model XE, RGB, RPB, PAK, PGBL, RGBL, RPBL or SSCBL packaged furnace/blower system, valve replacement requirements are the same as for the component duct furnaces.

**On duct furnace Sizes 300 and 350, dual functional replacement valves require a minimum gas supply pressure of 7" w.c.

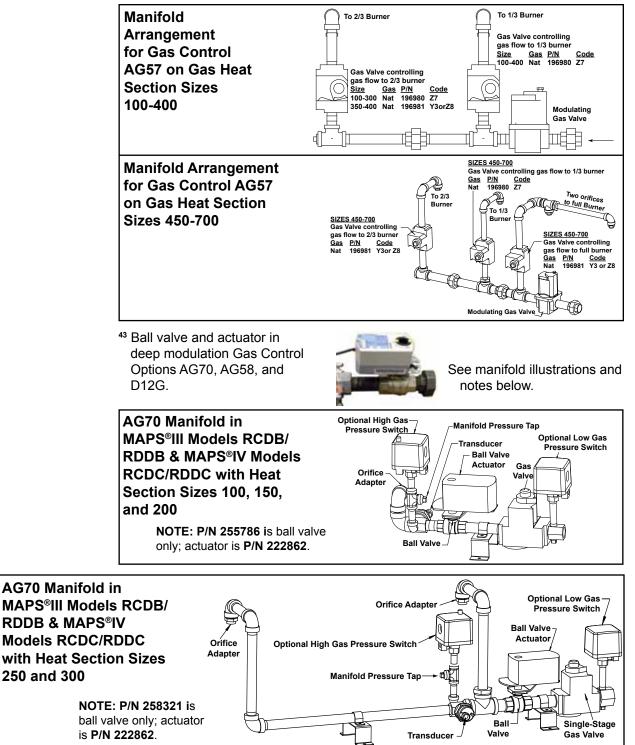
- ³⁵ Manifold arrangement also includes a single-stage solenoid valve, P/N 88242, J/C #H91LG-8.
- ³⁶ (H)(C)X(E) and (H)(C)RX(E) units mfgd prior to 11/86 must add lighter tube carryover kit.
- ³⁷ Original valve includes an ECO adapter that is not field replaceable.
- ³⁸ For replacement of ECO adapter only, see page 26.
- ³⁹ Do not use replacement valve on units with G29 or G33 ignition controls
- ⁴⁰ ECO adapter on replacement valve is not field replaceable.
- ⁴¹ AG55, 3:1 gas control manifold illustrations identifying valves by their location.

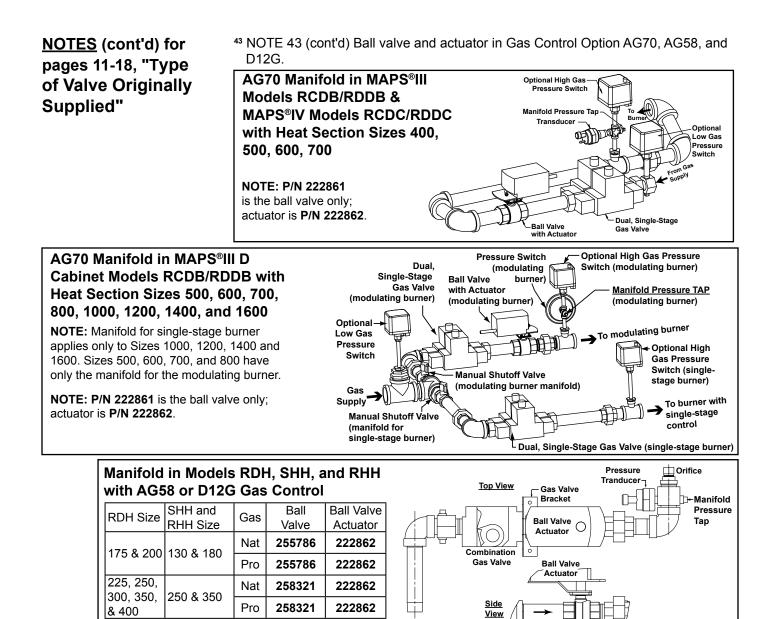


<u>NOTES</u> (cont'd) for pages 11-18, "Type of Valve Originally Supplied"



⁴² AG57, 6:1 modulating gas control manifold, illustrations identifying valves by their location.





⁴⁴ NOTE 44: When installing this valve as a replacement for a valve with a different Serial No. Valve Code on a Model PDH, SDH, RDH, SHH, or RHH, a new valve bracket is required.

Ball

- For PDH, SDH, and RDH Sizes 75, 100, 125, and 150, order bracket P/N 261650.
- For PDH, SDH, and RDH Sizes 175 and 200, order bracket P/N 261249
- For SHH and RHH Size 130, order bracket P/N 261650.
- For SHH and RHH Size 180, order bracket P/N 261249.
- ⁴⁵ NOTE 45: As a result of continued product improvement, the valve that is factory installed on these Model RDCB/RDDB heat section sizes was changed from slow opening to standard opening effective 8/09. When replacing, the valve listed here is the appropriate functional replacement.

Replacement Valves (cont'd) - Identified by Third Element of the Serial No. (see pages 11-22). Valves showing "Replaced by P/N's" are no longer available from Thomas & Betts.

Page

14

13

82396

| | 1 2 | 200 | - | sir Va | place ngle-s lve N 963 | • |
|------------------------|------|-----|-----|-----------|---------------------------------|----------------|
| | | 0 | 0 | | | |
| See Serial | Sizo | Gas | D/N | Page | Replac | ed by: |
| See Serial No. Code | Size | Gas | P/N | Page | Replac Code | ced by: P/N |



64420

13

E9

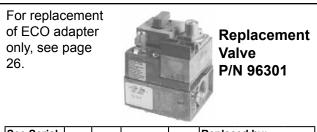
1/2

Ρ

| | Replacement Valve P/N 121598 | |
|---|------------------------------------|--|
| . | Replaced by: | |

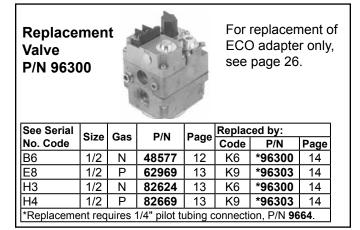
G9

| See Serial | Size | Gas | P/N | Daga | Replaced by: | | |
|------------|------|-----|--------|------|--------------|--------|------|
| No. Code | Size | Gas | F/N | Page | Code | P/N | Page |
| A5 | 1/2 | Ν | 47380 | 12 | Q2 | 121598 | 15 |
| A6 | 3/4 | Ν | 47381 | 12 | 9A | 221525 | 17 |
| E4 | 3/4 | Ν | 61098 | 13 | 9A | 221525 | 17 |
| E5 | 1/2 | Р | 61099 | 13 | Q4 | 121600 | 15 |
| F5 | 3/4 | Р | 63282 | 13 | 1B | 221526 | 17 |
| 2D | 3/4 | Ν | 221633 | 18 | | | |



| See Serial | Size | Gas | P/N | Page | Replac | Replaced by: | | |
|---|------|-----|-------|------|--------|--------------|------|--|
| No. Code | Size | Gas | | гауе | Code | P/N | Page | |
| C5 | 3/4 | N | 51299 | 13 | K7 | *96301 | 14 | |
| D7 | 3/4 | N | 59341 | 13 | K7 | *96301 | 14 | |
| H1 | 3/4 | N | 82398 | 13 | K7 | *96301 | 14 | |
| *Replacement requires 1/4" pilot tubing connection, P/N 9664. | | | | | | | | |
| - | | | | | | | | |

| P/N 25787 | | | | | | | | | |
|---------------------|------|--------|---------------|------|----------|-------------|--|--|--|
| See Serial | Size | Gas | P/N | Page | Replaced | | | | |
| No. Code | | | | 3- | P/N | Page | | | |
| 95 | 3/4 | N or P | 47537 | 12 | 88242 | 19, Note 10 | | | |
| B5 | 1 | N or P | 47538 | 12 | 112922 | 19, Note ⁵ | | | |
| Pilot Line Valve | 1/4 | N or P | 2578 7 | | | | | | |



For replacement of ECO adapter only for original valves, see page 26. The ECO adapter on the replacement valves is not field replaceable.

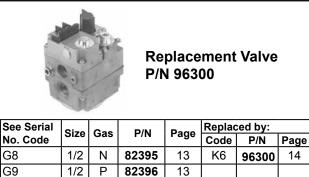
Replacement Valve P/N 115351

| See Serial | 0:-0 | Gas | P/N | Dama | Replaced by: | | |
|------------|------|-----|--------|------|--------------|--------|------|
| No. Code | Size | Gas | P/N Pa | Page | Code | P/N | Page |
| D4 | 3/4 | Ν | 52886 | 13 | P8 | 115351 | 15 |
| F1 | 1/2 | Ν | 62966 | 13 | P8 | 115351 | 15 |
| F2 | 1/2 | Р | 62967 | 13 | P9 | 115352 | 15 |



Replacement Valve P/N 177396

| See Serial | Size | Gas | P/N | Page | Replaced by: | | | | |
|------------|---------|---------|---------------|---------|--------------|-------------------|-----|--|--|
| No. Code | Size | Gas | | Code | P/N | Page | | | |
| E1 | 1/2 | Ν | 60609 | 13 | X2 | 177396* | 16 | | |
| E2 | 3/4 | Ν | 60610 | 13 | X3 | 177397* | 16 | | |
| E3 | 1/2 | Р | 60611 | 13 | X1 | 177395* | 16 | | |
| F3 | 1/2 | Р | 62946 | 13 | X1 | 177395* | 16 | | |
| *Replaceme | ent req | uires ' | 1/4" pilot tı | ubing c | connecti | on, P/N 96 | 64. | | |

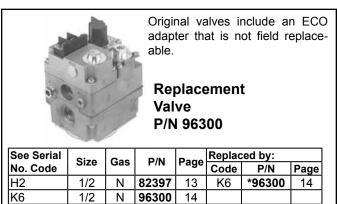


Original valves include an ECO adapter that is not field replaceable.

Replacement Valves (cont'd) - Identified by Third Element of the Serial No. (see pages 11-22). Valves showing "Replaced by P/N's" are no longer available from Thomas & Betts.

| | | Val | blacen ve 1773 | | use with igni ord | TE: Do i on units G29 or ition con er ignitio I 49491. | s G33 trols; |
|--|--|---|---|---|---|--|--|
| See Serial No. Code | Size | Gas | P/N | Page | Replac Code | ed by: P/N | Page |
| H5 | 1/2 | N | 87430 | 13 | X2 | 177396* | |
| H6 | 3/4 | N | 87432 | 13 | X3 | 177397* | |
| H7 | 1/2 | P | 87431 | 13 | X1 | 177395* | 16 |
| M9 | 1/2x3/4 | | 96312 | | X4 | 177398* | |
| *Replaceme | ent requir | es 1/4" | pilot tubi | ng con | nection | , P/N 966 4 | 4. |
| | P/N anufac rols or | | by eith Ier (Sk | ner G kinne | enera | al e | |
| See Seria | ISIZE | Gas | P/ | N | Page | 6 | El |
| No. Code | e 1 | N or P | · (2) 86 | | 14 | 0 | TD |
| C | Der | | | | | ctuator | (M/H |
| | | wer | | | - F No J3 | 4055A1 Part of \$ o. Code 3, J4, K2 | Serial s J2, |
| See Serial | Po ^r Val | wer ve | | | J - H Na J3 ar | Part of S o. Code | Serial es J2, 2, |
| No. Code | Po Val Size | wer ve _{Gas} | | | J - F No J3 ar P/N | Part of S o. Code 3, J4, K2 nd K4 | Serial es J2, 2, Page |
| No. Code J2, J3, J4 | Po Val Size | wer ve Gas N or P | | | - I Na J3 ar P/N #V505 | Part of \$ o. Code 3, J4, K2 nd K4 | Serial es J2, 2, Page |
| No. Code J2, J3, J4 K2 | Po Val Size 1 1-1/4 | wer Ve Gas N or P N or P | 89356 | (M/H | - H Na J3 ar P/N #V505 #V505 | Part of \$ o. Code 3, J4, K2 nd K4 55A1004) 55A1012) | Serial es J2, 2, Page 14 14 |
| No. Code J2, J3, J4 K2 K4 | Por Val Size 1 1-1/4 2 | wer Ve Gas N or P N or P N or P | 89356 91079 | (M/H (M/H | - I N J ar P/N #V505 #V505 | Part of \$ o. Code 3, J4, K2 nd K4 <u>55A1004)</u> 55A1012) 55A1038) | Serial es J2, 2, Page |
| No. Code J2, J3, J4 K2 | Por Val Size 1 1-1/4 2 | wer Ve Gas N or P N or P N or P | 89356 91079 | (M/H (M/H | - I N J ar P/N #V505 #V505 | Part of \$ o. Code 3, J4, K2 nd K4 <u>55A1004)</u> 55A1012) 55A1038) | Serial es J2, 2, Page 14 14 |
| No. Code J2, J3, J4 K2 K4 M/H fluid p | Poy Val Size 1 1-1/4 2 ower va | Wer Ve Gas N or P N or P Ives ab | 89356 91079 ove use | (M/H (M/H ed with | - I Na Ja ar P/N #V505 #V505 actual SCO V | Part of \$ o. Code 3, J4, K2 nd K4 <u>55A1004)</u> <u>55A1012)</u> <u>55A1038)</u> tor, P/N 710FAS) | Serial es J2, 2, Page 14 14 14 14 |
| No. Code J2, J3, J4 K2 K4 M/H fluid p 86993 | Poy Val Size 1 1-1/4 2 ower va | Wer Ve Gas N or P N or P Ives ab N or P N or P | 89356 91079 ove use 17260 17267 | (M/H (M/H ed with 67 (AS | - I Na J J ar P/N #V505 #V505 actua 6CO V 6CO V | Part of \$ o. Code 3, J4, K2 nd K4 <u>55A1004)</u> <u>55A1012)</u> <u>55A1038)</u> utor, P/N <u>710FAS)</u> 710GAS) | Serial es J2, 2, Page 14 14 14 14 |
| No. Code J2, J3, J4 K2 K4 M/H fluid p 86993 W1, W2 W3 W4 | Po Val Size 1 1-1/4 2 ower va 1 1-1/4 2 | Wer Ve Gas N or P N or P Ives ab N or P N or P N or P N or P | 89356 91079 ove use 17260 17267 1796 | (M/H (M/H ed with 67 (AS 78 (AS 79 (AS | - F Na J J ar P/N #V505 #V505 actua 6CO V 6CO V 6CO V 6CO V | Part of \$ o. Code 3, J4, K2 nd K4 <u>55A1004)</u> <u>55A1004)</u> <u>55A1038)</u> itor, P/N <u>710FAS)</u> 710GAS) 710JAS) | Serial es J2, 2, Page 14 14 14 14 14 14 16 16 16 |
| No. Code J2, J3, J4 K2 K4 M/H fluid p 86993 W1, W2 W3 | Po Val Size 1 1-1/4 2 ower va 1 1-1/4 2 | Wer Ve Gas N or P N or P Ives ab N or P N or P N or P N or P | 89356 91079 ove use 17260 17267 1796 | (M/H (M/H ed with 67 (AS 78 (AS 79 (AS | - F Na J J ar P/N #V505 #V505 actua 6CO V 6CO V 6CO V 6CO V | Part of \$ o. Code 3, J4, K2 nd K4 <u>55A1004)</u> <u>55A1004)</u> <u>55A1038)</u> itor, P/N <u>710FAS)</u> 710GAS) 710JAS) | Serial es J2, 2, Page 14 14 14 14 14 14 16 16 16 |

| | 12 | | | Val | olacer /e 9631 | | |
|------------|------|-----|-------|------|----------------------|--------|------|
| See Serial | Size | Gas | P/N | Page | Replac | ed by: | |
| No. Code | 5126 | Gas | F / N | rage | Code | P/N | Page |
| J5 | 1/2 | N | 89461 | 14 | M4 | 96307 | 14 |
| J6 | 1/2 | Р | 89462 | 14 | M7 | 96310 | 14 |



*Replacement requires 1/4" pilot tubing connection, P/N 9664.



Replacement Valve P/N 121599

| See Serial | Size | Gas | P/N | Page | Replaced by: | | | |
|------------|---------|---------|-------|------|--------------|--------|------|--|
| No. Code | Size | Gas P/N | | Faye | Code | P/N | Page | |
| H9 | 3/4x1/2 | Р | 93386 | 14 | Q4 | 121600 | 15 | |
| J7 | 1/2 | Ν | 89370 | 14 | Q2 | 121598 | 15 | |
| J9 | 3/4 | Р | 89371 | 14 | Q4 | 121600 | 15 | |
| M5 | 1/2 | Ν | 96308 | 14 | Q3 | 121599 | 15 | |
| | | | | | | | | |



Replacement Valve P/N 221525

| See Serial | Size | Gas | P/N | Page | Repla | ced by: | |
|------------|---------|-----|--------|------|--------|----------|------|
| No. Code | Size | Gas | | Faye | Code | P/N | Page |
| J8 | 3/4 | N | 89397 | 14 | 9A | 221525 | 17 |
| K1 | 3/4 | Р | 89398 | 14 | 1B | 221526 | 17 |
| M6 | 3/4 | N | 96309 | 14 | Kit P/ | N 222037 | |
| M8 | 1/2x3/4 | Р | 96311 | 14 | Kit P/ | N 221634 | |
| U8 | 1/2x3/4 | Р | 157167 | 16 | Kit P/ | N 221634 | |
| U9 | 3/4x3/4 | Р | 157168 | 16 | Kit P/ | N 221634 | |



Replacement P/N 208920

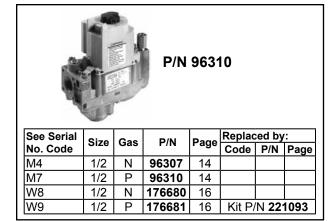
| See Serial | Size | 6.00 | | Dama | Replac | ed by: | | |
|------------|------|------|-------|------|--------|--------|------|--|
| No. Code | Size | Gas | P/N | | Code | P/N | Page | |
| K5 | 1/2 | Ν | 96299 | 14 | 9B | 208920 | 17 | |
| K8 | 1/2 | Р | 96302 | 14 | 1C | 209412 | 17 | |

Replacement Valves (cont'd) - Identified by Third Element of the Serial No. (see pages 11-22). Valves showing "Replaced by P/N's" are no longer available from Thomas & Betts.

| | | P/N | 96301 | |
|------------------------|------|-----|-------|------|
| See Serial No. Code | Size | Gas | P/N | Page |
| | | | | |
| K7 | 3/4 | Ν | 96301 | 14 |



| See Serial | Size | Gas | P/N | Page | Replac | ed by: | |
|------------|------------|-------|----------|--------|--------|-----------|------|
| No. Code | Size | Gas | | Faye | Code | P/N | Page |
| M1 | 1/2 | Ν | 96304 | 14 | P8 | 115351 | 15 |
| M2 | 3/4 | Р | 96305 | 14 | P8 | 115351 | 15 |
| M3 | 1/2x3/4 | Р | 96306 | 14 | P9 | 115352 | 15 |
| (ECO adap | oter on re | place | ment val | ves is | not re | olaceable | .) |



| Mechani Valve P/ longer av replacem see Note | N 10032 [,] /ailable; f nent instr | 1 - no for uction: | s, < | |
|--|---|---------------------------------|------|--------|
| See Serial | Size | Gas | P/N | Page R |

R3

R4 / V4

T8 / V3

| See Serial | Size | Gas | P/N | Page | Replaced by: | | | |
|------------|-----------|-----|--------|------|------------------------------------|---------|-------------|--|
| No. Code | Size | Gas | F/IN | гауе | Code | P/N | Page | |
| N1 | 3/4 x 3/4 | Ν | 100321 | 14 | See Note ³⁴ on page 20. | | | |
| N2 | 3/4 x 3/4 | Ν | 100322 | 14 | Not availabler | | | |
| N3 | 3/4 x 3/4 | Ρ | 100323 | 14 | See N | ote 34 | on page 20. | |
| N4 | 3/4 x 3/4 | Р | 100324 | 14 | Not ava | ailable | | |



| See Serial No. Code | Size | Gas | P/N | Page |
|------------------------|------|-----|--------|------|
| P8 | 3/4 | Ν | 115351 | 15 |
| P9 | 3/4 | Р | 115352 | 15 |



| See Serial No. Code | Size | Gas | P/N | Page |
|------------------------|---------|-----|--------|------|
| Q2 | 1/2 | Ν | 121598 | 15 |
| Q3 | 1/2 | Ν | 121599 | 15 |
| Q4 | 1/2x3/4 | Р | 121600 | 15 |
| T2 | 1/2 | Ν | 134358 | 16 |
| Т3 | 1/2 | Ν | 136193 | 16 |



N & P

123603

N&P 123605

N&P 146472

15

15/16

16/16

1

1-1/4

1

| | i la | P/ 11 | N 3766 |
|------------------------|--------------------|-----------|---------------|
| | | | |
| See Serial No. Code | Size | Gas | P/N |
| | Size 1/2 | Gas N | P/N 113766 |
| No. Code | | | |



| See Serial No. Code | Size | Gas | P/N | Page |
|------------------------|----------------------|-------------------|--|------|
| R7 | 3/4 | N | 131453 | 15 |
| R8 | 1 | N | 131455 | 15 |
| R9 | 3/4 | Р | 131454 | 15 |
| S1 | 1 | Р | 131456 | 15 |
| either a so redundant | lenoid v valve in | alve or series | /ays includes a single-stag with these 0-100°F) val | ge |

Replacement Valves (cont'd) - Identified by Third Element of the Serial No. (see pages 11-22). Valves showing "Replaced by P/N's" are no longer available from Thomas & Betts.

| 0 | 1 | | P/N 14266 | 4 | P/N 147 Replacem supplied p | ent re | quires | s field- | | R | | Va | eplacement Ive, N 260604 |
|------------|------|------|--------------|------|-----------------------------------|--------|--------|----------|------|------|--------|------|--------------------------------|
| | | | , | ·1 | See Serial | Size | Gas | P/N | Page | - · | ed by: | Dama | |
| See Serial | Size | Gas | P/N | Page | No. Code | ļ | | | | Code | P/N | Page | |
| No. Code | 0.20 | - 40 | | | T9 | 1/2 | N | 147133 | 16 | 7E | 260604 | 18 | |
| T6 | 1/2 | Ν | 142664 | 16 | U1 | 1/2 | Р | 147134 | 16 | 8E | 260606 | 18 | |



Replacement Valve P/N 260603

| See Serial | 0:-0 | 0 | P/N | Da | Replaced by: | | | |
|------------|------|-----|--------|----|--------------|--------|----|--|
| No. Code | Size | Gas | P/N | Pg | Code | P/N | Pg | |
| U2 | 1/2 | N | 147830 | 16 | | | | |
| U3 | 1/2 | Р | 147560 | 16 | | | | |
| Y2orZ7 | 1/2 | Ν | 196980 | 17 | 6E | 260603 | 18 | |
| Y4orZ9 | 1/2 | Р | 196982 | 17 | 9E | 263999 | 18 | |
| Y6or2A | 1/2 | Р | 197064 | 17 | | | | |
| Y8or4A | 1/2 | N | 197066 | 17 | | | | |
| Z1 | 1/2 | Р | 197536 | 17 | | | | |
| Z2 | 1/2 | N | 197538 | 17 | | | | |
| 6A | 1/2 | Ν | 204301 | 17 | | | | |



| See Serial No. Code | Size | Gas | P/N | Pg |
|------------------------|------|-----|--------|----|
| U6 | 3/4 | Ν | 150839 | 16 |
| U7 | 3/4 | Ρ | 150840 | 16 |
| V9 | 3/4 | Ρ | 195737 | 16 |
| X5 | 3/4 | Ν | 195739 | 16 |
| Y3orZ8 | 3/4 | Ν | 196981 | 17 |
| Y5or1A | 3/4 | Ρ | 196983 | 17 |
| Y7or3A | 3/4 | Р | 197065 | 17 |
| Y9or5A | 3/4 | Ν | 197067 | 17 |



P/N 159743

See Serial No. Code Size Gas P/N Pg N&P 159743 16 V1 1



Replacement Valve P/N 260603

| P/N 159 | 736 | | | | | |
|---------|------------------------|-------|-----|--------|----|--|
| | See Serial No. Code | Size | Gas | P/N | Pg | |
| | V5 | 2 | N&P | 159736 | 16 | |
| | V6 | 1-1/4 | N&P | 159731 | 16 | |
| | V7 | 2 | N&P | 159841 | 16 | |
| | V8 | 3 | N&P | 163137 | 16 | |
| | | | | | | |

| 0:-0 | C | | | Replaced by: | | |
|------|---|---|--|--|--|--|
| Size | Gas | P/N | Pg | Code | P/N | Pg |
| 1/2 | Ν | 172552 | 16 | U2 | 147830 | 16 |
| 1/2 | Р | 172553 | 16 | 8E | 260606 | 18 |
| 1/2 | Ν | 170609 | 16 | | | |
| 1/2 | Ν | 196848 | 16 | 6E | 260603 | 18 |
| 1/2 | Ν | 196849 | 17 | Y8or4A | 197066 | 17 |
| 1/2 | Р | 196848 | 17 | 9E | 263999 | 18 |
| 1/2 | Р | 196851 | 17 | Y6or2A | 197064 | 17 |
| | 1/2 1/2 1/2 1/2 1/2 1/2 1/2 | 1/2 P 1/2 N 1/2 N 1/2 N 1/2 P 1/2 P | 1/2 N 172552 1/2 P 172553 1/2 N 170609 1/2 N 196848 1/2 N 196849 1/2 P 196848 | 1/2 N 172552 16 1/2 P 172553 16 1/2 N 170609 16 1/2 N 196848 16 1/2 N 196848 17 1/2 N 196848 17 1/2 P 196848 17 | Size Gas P/N Pg Code 1/2 N 172552 16 U2 1/2 P 172553 16 8E 1/2 N 170609 16 16 1/2 N 196848 16 6E 1/2 N 196849 17 Y8or4A 1/2 P 196848 17 9E | Size Gas P/N Pg Code P/N 1/2 N 172552 16 U2 147830 1/2 P 172553 16 8E 260606 1/2 N 170609 16 |

| The second se | | 100 | P/N 177396 | |
|---|---------|-----|---------------|----|
| See Serial No. Code | Size | Gas | P/N | Pg |
| X1 | 1/2 | Р | 177395 | 16 |
| X2 | 1/2 | Ν | 177396 | 16 |
| X3 | 3/4 | Ν | 177397 | 16 |
| X4 | 1/2x3/4 | Р | 177398 | 16 |

| | P/ 19 | N 5740 |) | |
|------------------------|----------|-----------|--------|----|
| See Serial No. Code | Size | Gas | P/N | Pg |
| X6 | 1/2x3/4 | Ν | 195740 | 16 |
| | | | | |



| See Serial No. Code | Size | Gas | P/N | Pg |
|------------------------|-------|-----|--------|----|
| 7A | 1 | N&P | 203860 | 17 |
| 8A | 1-1/4 | N&P | 203861 | 17 |

Replacement Valves (cont'd) - Identified by Third Element of the Serial No. (see pages 11-22). Valves showing "Replaced by P/N's" are no longer available from Thomas & Betts.

| | | A A | P/N 208920 |) |
|------------------------|------|-----|---------------|------|
| See Serial No. Code | Size | Gas | P/N | Page |
| 9B | 1/2 | N | 208920 | 17 |
| 1C | 1/2 | Р | 209412 | 17 |

| P/N 203869 | | | | | | | | | |
|------------|------|-----|--------|------|--------|----------|--------|--|--|
| See Serial | 0: | 0 | DAL | | Replac | ed by: | | | |
| No. Code | Size | Gas | P/N | Page | Code | P/N | Page | | |
| 3B | 1 | N&P | 203868 | 17 | No lo | nger ava | ialble | | |
| 4B | 1 | N&P | 203869 | 17 | | | | | |



| | | P/N 2152 | 5 | |
|------------------------|------|-------------|--------|------|
| See Serial No. Code | Size | Gas | P/N | Page |
| 9A | 3/4 | N | 221525 | 17 |
| 1B | 3/4 | Р | 221526 | 17 |
| 2D | 3/4 | N | 221633 | 18 |

| P/N 260603 | | | | | | | | |
|------------------------|------|-----|--------|------|--|--|--|--|
| See Serial No. Code | Size | Gas | P/N | Page | | | | |
| 6E | 1/2 | N | 260603 | 18 | | | | |
| 7E | 1/2 | N | 260604 | 18 | | | | |
| 8E | 1/2 | Р | 260606 | 18 | | | | |
| 9E | 1/2 | Р | 263999 | 18 | | | | |

Replacement ECO

Adapters - The replacement adapters apply only to the valves listed; adapters do not apply to replacement valves.

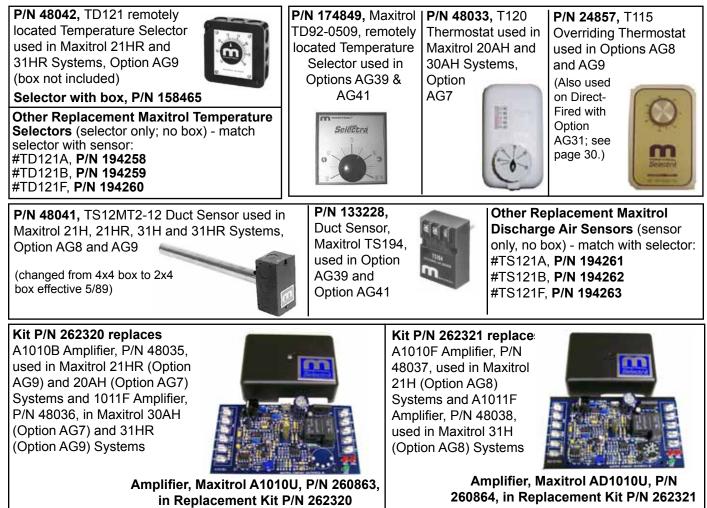
| | Valve P/N | Serial No. Code | Valve P/N | Serial Coc | | Valve P/N | Serial No. Code |
|--|-------------------------|----------------------------|--------------|------------------|------|------------------------|--------------------|
| | 52886 | D4 | 96304 | M1 | | 82398 | H1 |
| | 62967 | F2 | 96306 | M3 | } | 96303 | F9 |
| P/N 82698, | 96301 | K7 | 62996 | F1 | | 96305 | M2 |
| | | | | | | | |
| Su- | in . | P/N 8269 | 9, Va | lve P/N | Seri | al No. Co | de |
| 6 | | P/N 8269 R#21608 | | lve P/N 82624 | Seri | al No. Co H3 | de |
| 80- | Di ^{ne} | | | - | Seri | | ode |
| P | /N 113149 | R#21608 | | 82624 82669 | | H3 H4 | de |
| Contraction of the local division of the loc | /N 113149 //H #39200 | R#21608 | | 82624 82669 | | H3 H4 | de |

Maxitrol Components for Electronic Modulation - Indirect-Fired Equipment Model Series X, SC, RG, RP, RX, RPV, and EEDU with Options AG7, AG8, AG9, AG21, AG39, AG40, AG41, or AG42

(**References:** For modulation control components for PREEVA Models PDH, SDH, and RDH, see replacement parts Form P-PRE-EVA. For MAPSII, see replacement parts Form P-MAPSII.)

Maxitrol Temperature Selectors/Thermostats, Temperature Sensors, and Amplifiers

| Maxitrol Syste | m | 20AH | 30AH | 21H | 31H | 21HR | 31HR | Series 92 | | |
|--|-------------------------|-------------------|------------------------|------------------------|----------------------|---------------------|----------------------|-------------------|---|--|
| Serial No. Suf | fix Code | MV-1 | MV-2 | MV-3 | MV-5 | MV-4 | MV-6 | MP-1 | MP-3 | |
| | | Rez | nor [®] Model | Series X, SC, RX, RPV, | | RG, RP, EE | DU INDIRE | CT-Fired Furna | aces with Option | |
| Components b | y Option | A | G7 | AC | <u>38</u> | AC | 3 9 | AG39 | AG41 | |
| Number of Furances | | Single Furnace | Multiple Furnaces | Single Fur- nace | Multiple Furnaces | Single Fur- nace | Multiple Furnaces | Single Furnace | Multiple Furnaces (Maxitrol components on 1st furnace only) | |
| Temperature | Reznor® P/N | | | On the (| molifier | 48042 | 48042 | 174849 | 174849 | |
| Selector | Maxitrol # | | | On the A | Ampimer | TD-121 | TD-121 | TD92-0509 | TD92-0509 | |
| | Reznor [®] P/N | 48033 | 48033 | | | | | | | |
| Selectrastat | Maxitrol # | T120 | T120 | | | | | | | |
| Optional | Reznor® P/N | | | 24857 | 24857 | 24857 | 24857 | | | |
| Override Thermostat | Maxitrol # | | | T-115 | T-115 | T-115 | T-115 | | | |
| Sensor | Reznor® P/N | | | 48041 | 48041 | 48041 | 48041 | 133228 | 133228 | |
| (P/N 48041 includes mix- ing tube) | Maxitrol # | | | TS-121 | TS-121 | TS-121 | TS-121 | TS194 | TS194 | |
| Mixing Tube | Reznor® P/N | | | 90323 | 90323 | 90323 | 90323 | 90323 | 90323 | |
| Only | Maxitrol # | | | MTI-12 | MTI-12 | MTI-12 | MTI-12 | MTI-12 | MTI-12 | |
| Amplifier | Reznor® P/N | 48035 | 48036 | 48037 | 48038 | 48035 | 48036 | 174848 | 174848 | |
| Amplifier | Maxitrol # | A1010B | A1011B | A1010F | A1011F | A1010B | A1011B | A1092 | A1092 | |





Regulator used on **INDIRECT-FIRED** Reznor[®] Model Series X, SC, RG, RP, RX, RPV, and EEDU and gas heat sections in Models RCDA/RDDA equipped with Optional Electronic Modulation Options AG7, AG8, AG9, AG21, AG39, AG40, AG41, AG42, AG57

| P/N | Maxitrol | Size | Thermocore Model Size | with Opt AG | Gas |
|-------|--|------|--------------------------|----------------|---------|
| 42278 | MR410 | 1/2" | 75-125 | 7, 8, 9, 21 | Natural |
| 42279 | MR510 | 1/2" | 150-200 | 7, 8, 9, 21 | Natural |
| 42280 | MR510 | 3/4" | 225-400 | 7, 8, 9, 21 | Natural |
| 15640 | 2 MR410H-1 | 1/2" | 75-125 | 7, 8, 9, 21 | Propane |
| 15640 | 3 MR510H-1 | 1/2" | 150-200 | 7, 8, 9, 21 | Propane |
| 15640 | 4 MR510-H | 3/4" | 225-400 | 7, 8, 9, 21 | Propane |
| 1748 | 5 M420R, 20.0 MBH @3.8" w.c. inlet | 1/2" | 100 | 39, 40 | Natural |
| 1748 | 6 M420R, 25.0 MBH @3.9" w.c. inlet | 1/2" | 125 | 39, 40 | Natural |
| 17483 | 8 M520R, 40.3 MBH @ 3.7" w.c. inlet | 1/2" | 150-175 | 39, 40 | Natural |
| 17483 | 9 M520R, 51.8 MBH @ 3.9" w.c. inlet | 1/2" | 200-225 | 39, 40 | Natural |
| 17484 | 0 M520R, 69.0 MBH @ 4.0" w.c. inlet | 3/4" | 250-300 | 39, 40, 41, 42 | Natural |
| 17484 | 1 M520R, 100 MBH @ 4.4" w.c. inlet | 3/4" | 400 | 39, 40, 41, 42 | Natural |
| P/N | Maxitrol | Size | RCDA/RDDA | with Opt AG | Gas |
| 20558 | 2 MR410@120cfh | 1/2" | 100, 150 | 57 | Natural |
| 20558 | 1 MR410-1 | 1/2" | 200 | 57 | Natural |
| 20558 | 0 MR510 | 1/2" | 250, 300 | 57 | Natural |
| 20837 | 0 MR610-166 | 3/4" | 350, 400 | 57 | Natural |
| 20837 | 1 MR610-1-88 | 1" | 450, 500, 550 | 57 | Natural |

Maxitrol Signal Conditioner used on Both Indirect Fired Equipment and Direct Fired Equipment

P/N 134170, Maxitrol Signal Conditioner used in Indirect Fired Gas Control Option AG21 (Serial No. Suffix Code MVA) Option AG40 (Serial No. Suffix Code MP2) Option AG42 (Serial No. Suffix Code MP4) Option AG44 (Serial No. Suffix Code MP6) Option AG57 Option DG2 Option DG6 Direct Fired Gas Control Option AG37 (Serial No. Suffix Code MVC)



When used in Options AG 21, 37, 40, 42, and 44, the signal conditioner (either Maxitrol A200 or Maxitrol Model SC10C-B6S1 or SC11-A, depending on date of manufacture) is activated by a customer-supplied input signal (either 4-20 milliamps or 0-10 volt).

Maxitrol Components for Electronic Modulation - Direct-Fired Equipment Model Series ADF, DV, and RDF with Options AG30, AG31, AG32, AG35, AG33, AG36, AG37, AG47, AG48, AG51

| Maxitrol System | | 14 | 14 | 14A | 14B | 14E MV-D | | |
|---|-------------------------|---------|---|---------|---|----------------------|---------------|--|
| Serial No. Suffix Code | | MV-7 | MV-7 | MV-8 | MV-8 | | | |
| Reznor [®] Model Series ADF, DV, and RDF DIRECT-Fired Furnaces with Op | | | | | | | Option | |
| Components by Optio | n | AG30 | AG31 | AG32 | AG35 | AG47 | | |
| Temperature Selector | Reznor [®] P/N | 86988 | U.S 86988 ; Canada - 101165 | 87107 | 123943, 140°F Stop 159285 , 160°F Stop | | | |
| | Maxitrol # | TD114 | TD114 | TD114A | TD114B | TDFM14 | 1 | |
| Override Thermostat | Reznor® P/N | | 24857 | | | | | |
| (illustrated on page 23) | Maxitrol # | | T-115 | | | | | |
| | Reznor [®] P/N | 00224 | 00224 | 87106 | 123944 | Outside & Return Air | Discharge Air | |
| Sensor | Rezhoiº P/in | 90324 | 90324 | 8/106 | 123944 | (2) 204452 | 204453 | |
| | Maxitrol # | TS-114 | TS-114 | TS-114A | TS-114B | TS394-2B-4 | TS194Q | |
| Mixing Tubo | Reznor® P/N | 90323 | 90323 | 90323 | 90323 | (3) 9032 | 3 | |
| Mixing Tube | Maxitrol # | MTI-12 | MTI-12 | MTI-12 | MTI-12 | MTI-12 | | |
| Amplifier | Reznor® P/N | 148590* | 148590* | 148590* | 148590* | 204454 | | |
| | Maxitrol # | A1014R | A1014R | A1014R | A1014R | ADFM14 | 1 | |

| Maxitrol Syst | tem 44 44E-2 | | -21 | 44EF | R-21 | 9 | 4 | | | | | |
|------------------------|-------------------------|---------------|---|-------------------------|-----------|-------------------------|-----------|--------------------------|--------------------------|--|--|--|
| Serial No. Suffix Code | | M | /-9 | M\ | /-E | MV | -F | MV-B | | | | |
| | | Re | Reznor [®] Model Series ADF, DV, and RDF DIRECT-Fired Furnaces with Option | | | | | | | | | |
| Components | by Option | AC | 333 | AG | 648 | AG | 51 | AC | 3 36 | | | |
| Temperature | Reznor [®] P/N | 86990 | | 204451 | | 204451 | | 133230 , 120°F | 159287 , 160°F | | | |
| Selector | Maxitrol # | T244, Se | electrastat | TDF | M44 | TDF | M44 | TD294E-609-081 | | | | |
| Sensor | Reznor [®] P/N | 119617 | 194160 (max 140°F) | Outside & Return Air | Discharge | Outside & Return Air | Discharge | 133 | 228 | | | |
| 3611501 | | (1110X 120 F) | (1110 140 F) | (2) 204452 | 204453 | (2) 204452 | 204453 | | | | | |
| | Maxitrol # | TS-144E | TS-144C | TS394-2B-4 | TS194Q | TS394-2B-4 | TS194Q | TS | 194 | | | |
| Remote | Reznor® P/N | | | | | 2044 | 156 | | | | | |
| Sensor | Maxitrol # | | | | | TSD | M44 | | | | | |
| Mixing Tube | Reznor® P/N | 903 | 323 | (3) 90323 | | (3) 90323 | | 903 | 323 | | | |
| Mixing Tube | Maxitrol # | MT | I-12 | MTI-12 | | MTI-12 | | MTI-12 | | | | |
| Amplifior | Reznor® P/N | 268274** | 268274** | 204 | 450 | 204450 | | 133 | 229 | | | |
| Amplifier | Maxitrol # | A1044U | A1044U | ADF | M44 | ADFI | M44 | A1494 | | | | |

Maxitrol Amplifiers used on Reznor® Direct-Fired Model Series ADF, DV, and RDF



P/N 148590, Model A1014R Amplifier used in Options AG 30, 31, 32, 35 * To replace P/N 148590,

Model A1014L or A1014U or P/N 86976, order Replacement Kit P/N 268301.



NOTE: Shown with cover removed.

P/N 268274, Model A1044U, used in Option AG33 ** To replace P/N 194159 (A1044CL); P/N 157915 (A1044EL); P/N 119616 (A1044E)

and P/N 86989 (A1044), order **Replacement Kit P/N 268302**.



P/N 204454, ADFM14 Amplifier

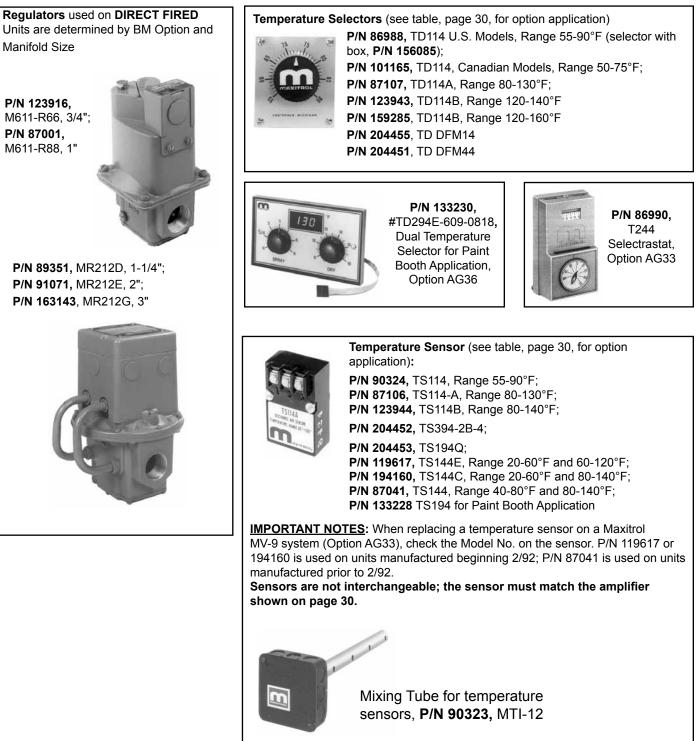


P/N 204450, ADFM44 Amplifier



P/N 133229, A1494 Amplifier, for Paint Booth Application, Option AG36

Maxitrol Components for Electronic Modulation - Direct-Fired Equipment Model Series ADF, DV, and RDF with Options AG30, AG31, AG32, AG35, AG33, AG36, AG37, AG47, AG48, AG51 (cont'd)



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