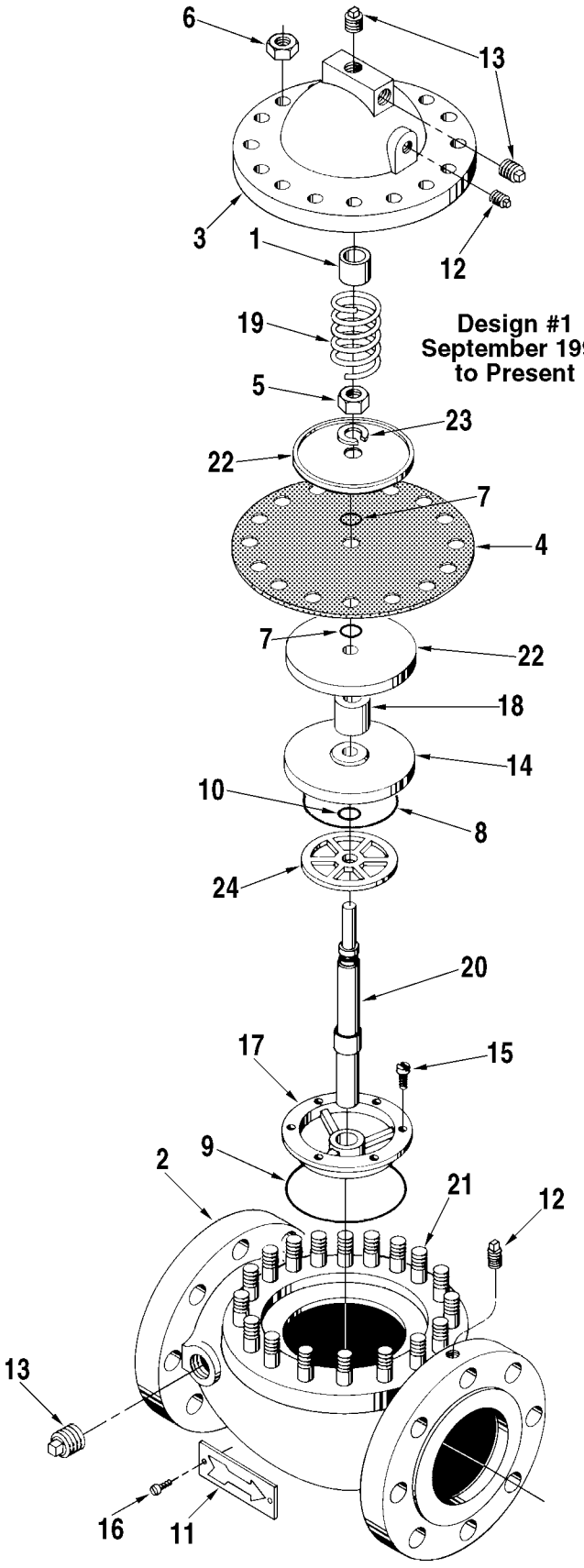
FMC Technologies

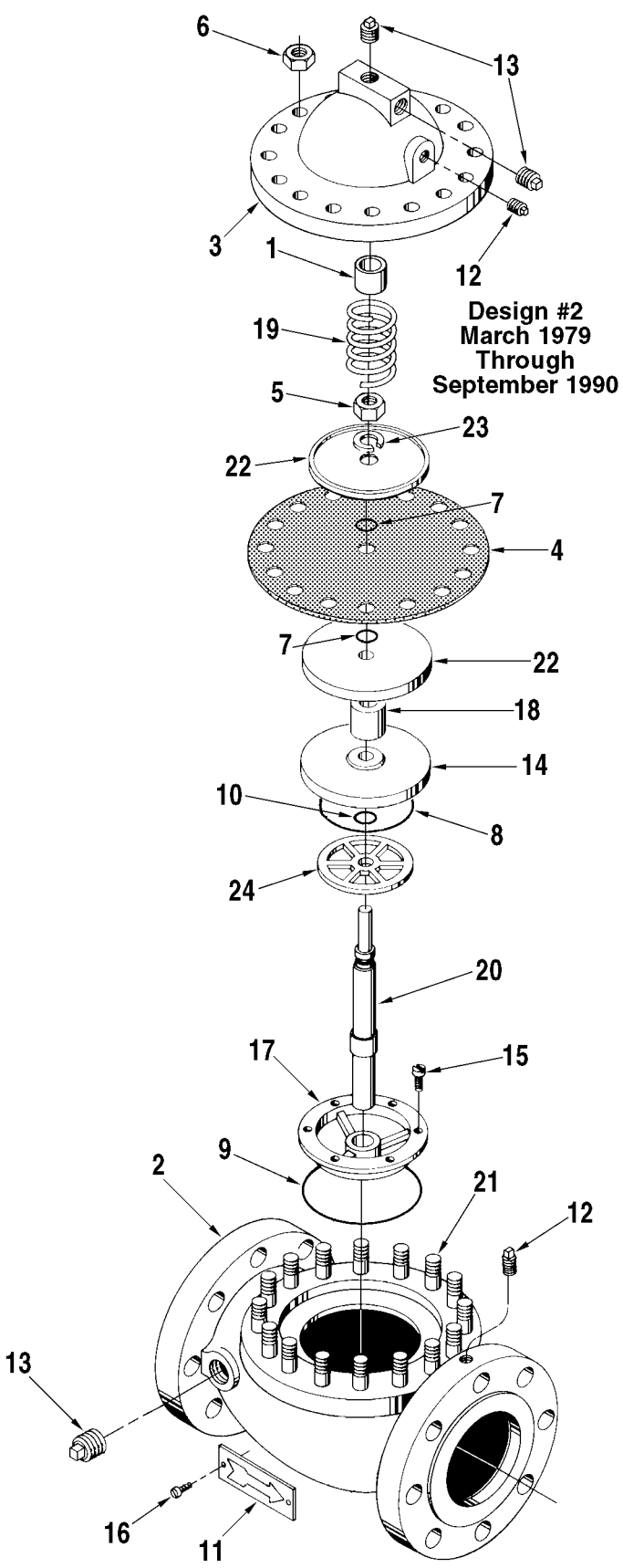
# *Valve, Hydraulic, 200 Series, 8-Inch*

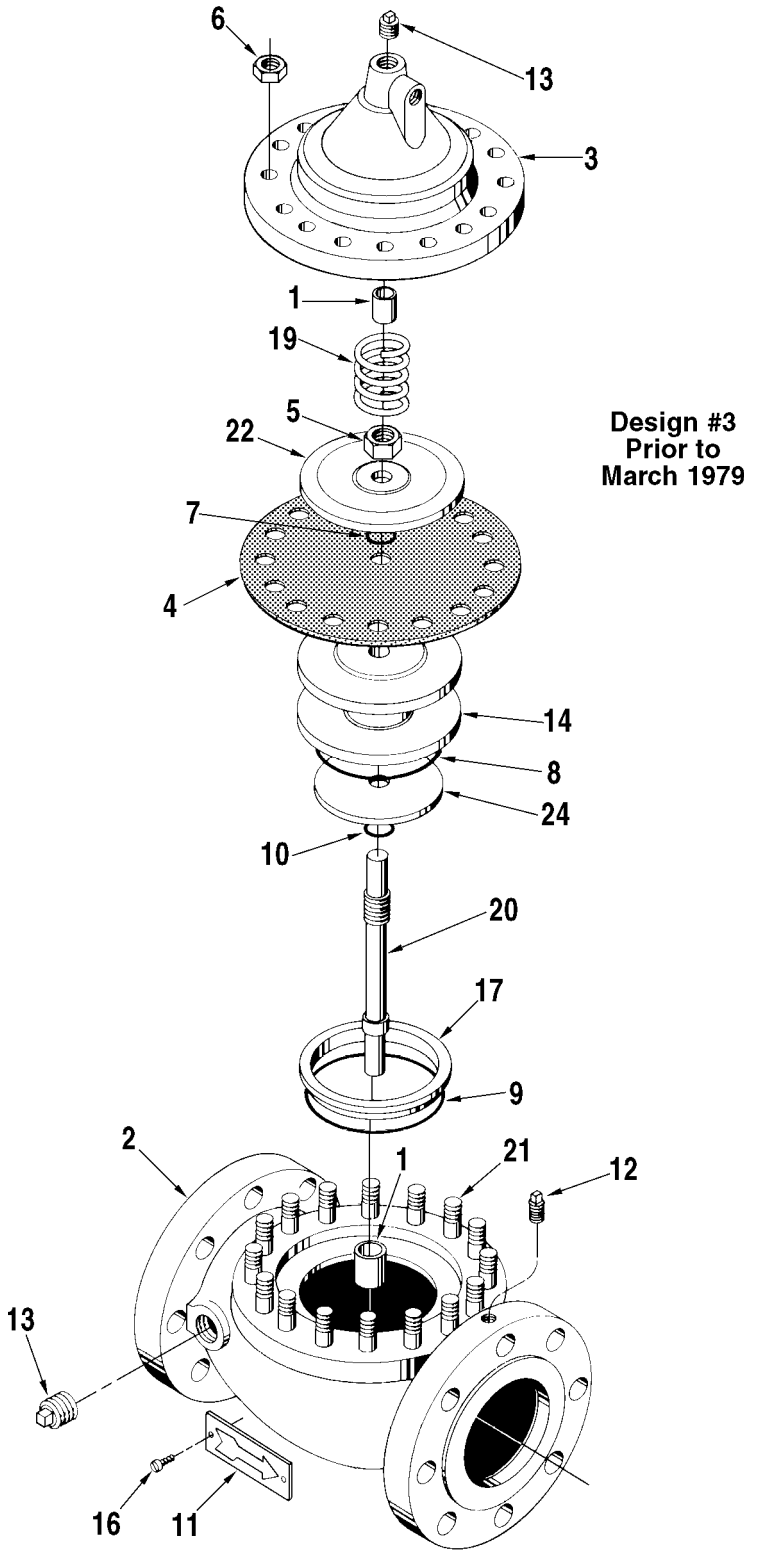
Parts List

Issue/Rev. 0.2 (6/91)

Bulletin P1043.02






**Design #3 Prior to March 1979**

| Item | | Description | Qty. | Design #1* | Design #2 | Design #3 |
|---|---|---|---|---|---|---|
| 1 | | Bearing: | | | | |
| | | Bronze | # | 640688-025 | 640688-025 | 640688-025 |
| | | Steel | # | ..... | 524262-008 | 524262-008 |
| | | Stainless Steel | # | 526389-008 | 526389-008 | 526389-008 |
| 2 | @1 | Body: | | | | |
| | | Class 150 Standard | 1 | 529654-001 | 528973-001 | 523674-001 |
| | | Class 150 Epoxy-Coated | 1 | ..... | 528973-004 | ..... |
| | | Class 300 Standard | 1 | 529654-002 | 528973-002 | 507172-001 |
| 3 | @1 | Cover: | | | | |
| | | Standard | 1 | 529653-001 | 528972-001 | 525014-002 |
| | | Epoxy-Coated | 1 | ..... | 528972-002 | ..... |
| 4 | +@1 | Diaphragm: | | | | |
| | | Buna-N | 1 | 529656-001 | 507404-001 | 507404-001 |
| | | Viton | 1 | 529656-002 | 507404-002 | 507404-002 |
| | | Hydrin | 1 | 529656-003 | 507404-006 | 507404-006 |
| 5 | | Nut, Stem, 1-1/8"-12 | 1 | 643117-405 | 643117-405 | 643117-405 |
| 6 | @1 | Nut, Stud: | | | | |
| | | 7/8"-9 | 18 | 642138-407 | ..... | ..... |
| | | 3/4"-10 | 16 | ..... | 642138-406 | 642138-406 |
| 7 | + | O-Ring, Diaphragm: | | | | |
| | | Buna-N | # | 640887-015 | 640887-015 | 640887-015 |
| | | Viton | # | 640798-424 | 640798-424 | 640798-424 |
| 8 | + | O-Ring, Retainer: | | | | |
| | | Buna-N | 1 | 507576-001 | 507576-001 | 507576-001 |
| | | Viton | 1 | 507576-003 | 507576-003 | 507576-003 |
| 9 | + | O-Ring, Seat: | | | | |
| | | Buna-N | 1 | 641070-432 | 641070-432 | 641136-404 |
| | | Viton | 1 | 641276-431 | 641276-431 | 641276-414 |
| 10 | + | O-Ring, Stem: | | | | |
| | | Buna-N | 1 | 640887-015 | 640887-015 | 641070-423 |
| | | Viton | 1 | 640798-424 | 640798-424 | 641276-419 |
| 11 | | Plate, Arrow | 1 | 508553-001 | 508553-001 | 508553-001 |
| 12 | | Plug, Pipe, 1/8" NPT | 3 | 006073-002 | 006073-002 | 006073-002 |
| 13 | | Plug, Pipe, 3/4" NPT | 7 | 006878-002 | 006878-002 | 006878-002 |
| 14 | | Retainer, O-Ring: | | | | |
| | | Standard | 1 | 507713-002 | 507713-002 | 529604-001 |
| | | Epoxy-Coated | 1 | ..... | 507713-003 | 529604-002 |
| 15 | | Screw, #10-32 x 1/2" | 6 | 643923-401 | 643923-401 | ..... |
| 16 | | Screw, Drive | 2 | 640813-001 | 640813-001 | 640813-001 |
| 17 | | Seat: | | | | |
| | | Bronze | 1 | 529212-001 | 529212-001 | ..... |
| | | Ni-Resist | 1 | ..... | 529212-003 | ..... |
| | | Steel | 1 | ..... | ..... | 508339-003 |
| | | Epoxy-Coated | 1 | 529212-002 | 529212-002 | ..... |
| 18 | | Spacer: | | | | |
| | | Standard | 1 | 528974-001 | 528974-001 | ..... |
| | | Epoxy-Coated | 1 | ..... | 528974-003 | ..... |
| 19 | | Spring | 1 | 525356-001 | 525356-001 | 525356-001 |
| 20 | | Stem | 1 | 528971-001 | 528971-001 | 507899-001 |
| 21 | @1 | Stud: | | | | |
| | | 7/8-9 x 2-3/4" | 18 | 643082-407 | ..... | ..... |
| | | 3/4-10 x 2-3/4" | 16 | ..... | 645855-401 | 645855-401 |
| 22 | | Washer, Diaphragm: | | | | |
| | | Standard | 2 | 508001-003 | 508001-003 | 508001-003 |
| | | Epoxy-Coated | 2 | ..... | 508001-005 | 508001-005 |
| 23 | | Washer, Lock Spring | 1 | 643164-408 | 643164-408 | ..... |
| 24 | | Washer, O-Ring: | | | | |
| | | Standard | 1 | 508041-003 | 508041-003 | 508041-003 |
| | | Epoxy-Coated | 1 | ..... | 508041-006 | 508041-006 |

\+ Recommended stock.

\# Order quantity required.

*@1 As of September 1990, the current design valve (Design #1) incorporates 18 body studs (Item #21) and corresponding number of cover and diaphragm holes.

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

**Headquarters:**
1803 Gears Road, Houston, TX 77067 USA, Phone: 281/260-2190, Fax: 281/260-2191

***Gas Measurement Products:***
**Erie, PA USA** Phone 814/898-5000
**Thetford, England** Phone (44) 1842-82-2900
**Kongsberg, Norway** Phone (47) 32/286-700
**Buenos Aires, Argentina** Phone 54 (11) 4312-4736

***Integrated Measurement Systems:***
**Corpus Christi, TX USA** Phone 361/289-3400
**Kongsberg, Norway** Phone (47) 32/286-700
**San Juan, Puerto Rico** Phone 787/274-3760
**United Arab Emirates, Dubai** Phone 971 +4/331-3646

***Liquid Measurement Products:***
**Erie, PA USA** Phone 814/898-5000
**Los Angeles, CA USA** Phone 661/702-8660
**Slough, England** Phone (44) 1753-57-1515
**Ellerbek, Germany** Phone (49) 4101-3040
**Barcelona, Spain** Phone (34) 93/201-0989
**Moscow, Russia** Phone (7) 495/564-8705
**Melbourne, Australia** Phone (61) 3/9807-2818

**Beijing, China** Phone (86) 10/6500-2251
**Singapore** Phone (65) 6861-3011
**Chennai, India** Phone (91) 44/450-4400

***Visit our website at www.fmctechnologies.com***

Printed in U.S.A. © 6/91 FMC Technologies Measurement Solutions, Inc. All rights reserved. P1043.02 Issue/Rev. 0.2 (6/91)