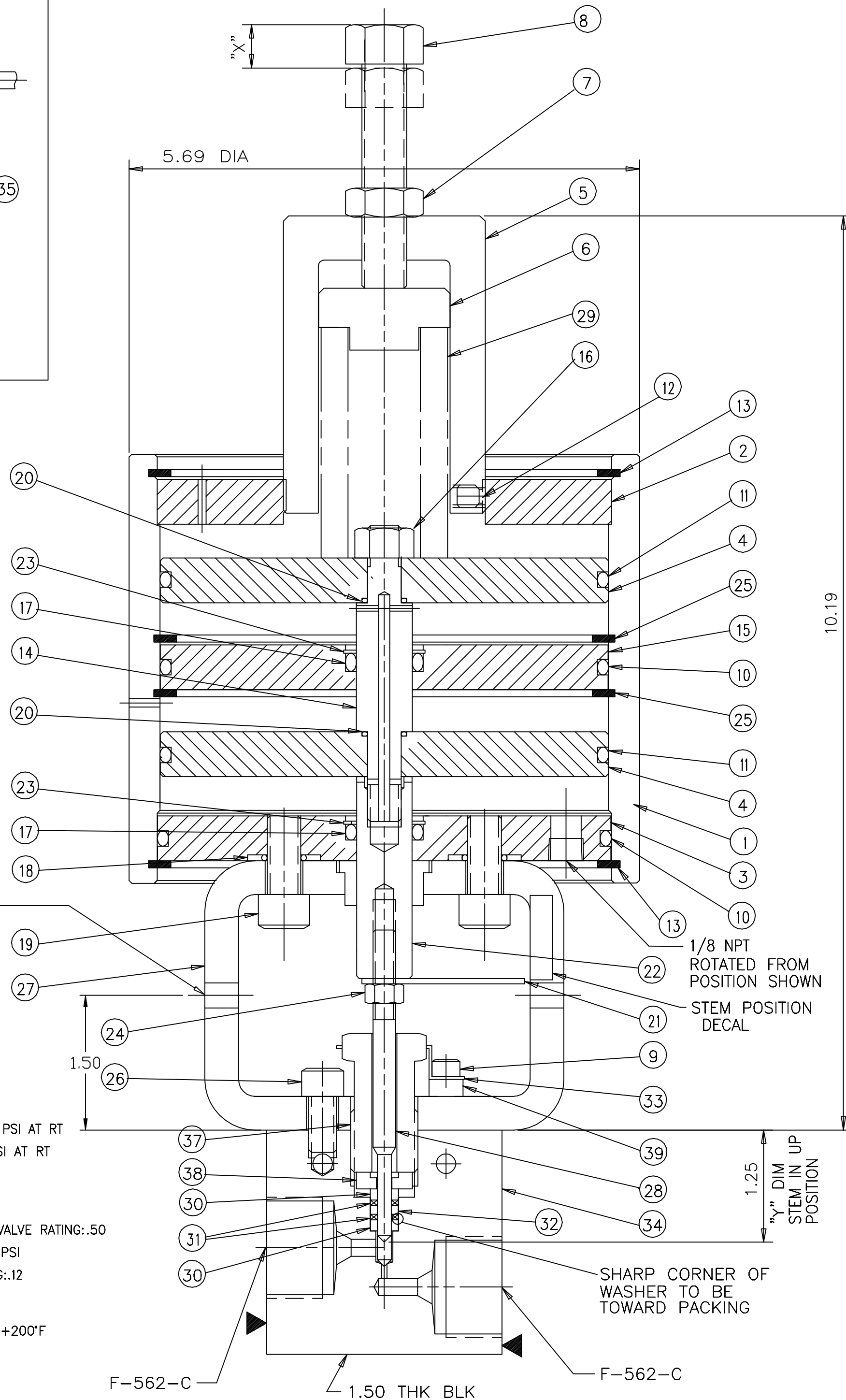


COLLET GLAND ASSY
USED IN A F-562-C
CONNECTION.



MAX ALLOW WORKING PRESSURE: 60,000 PSI AT RT
HYDROSTATIC TEST PRESSURE: 75,000 PSI AT RT
PACKING GLAND TORQUE: 60 FT LBS
SEAT RETAINER TORQUE: 45 FT LBS

"X" APPROX SPRING COMPRESSION FOR MAX VALVE RATING: .50
AIR PRESSURE TO FULLY OPEN VALVE: 50 PSI
APPROX STEM LIFT AT MAX VALVE RATING: .12

MAX ALLOW AIR PRESSURE: 100 PSI
ALLOW PISTON TEMPERATURE: -20°F TO +200°F
AREA OF PISTON: 39.2 SQ.IN

SCALE: 1:1
CADD PART
VALVE.16.31.31.01.C

| DESCRIPTION | BODY P/N | STEM TYPE | CAT NO | STEM P/N |
|------------------------|--------------|-----------|--------------|-----------|
| 3 WAY-2 STEM MANIFOLD | 2030-6457-YB | REG | 60VM9075-02S | 101C-0475 |
| 2 WAY ANGLE REP'L SEAT | 2030-6454-YB | REG | 60VM9872-02S | 101C-0475 |
| 3 WAY-1 ON PRESS | 2030-6455-YB | REG | 60VM9074-02S | 101C-0475 |
| 3 WAY-2 ON PRESS | 2030-6452-YB | REG | 60VM9073-02S | 101C-0475 |
| 2 WAY ANGLE | 2030-6456-YB | REG | 60VM9072-02S | 101C-0475 |
| 2 WAY STRAIGHT | 2030-6453-YB | REG | 60VM9071-02S | 101C-0475 |

NOTE: SUFFIX YB=PER OPTIONAL DR DWG 20B-4946

VALVE BODY PATTERN AND STEM OPTIONS AVAILABLE

| ITEM | QTY | PART NAME | PART NO./CAT NO. | DESCRIPTION / MATL |
|------|-----|-----------------------|------------------|--------------------------------|
| 41A | 1 | REPLACEABLE SEAT -CSS | 105B-1387-C | NOT SHOWN N-DURA COATED 316 SS |
| 28A | 1 | STEM -CS OR -CSS | 102C-0475-C | N-DURA COATED 316 SS |
| 36A | AR | COLLET GLAND ASSY -K | KCGL90-316 | 316 SS |
| 31B | 2 | PACKING -TG | P-8713 | 0°F TO 600°F TEFLON GLASS |
| 31A | 1 | PACKING -GY | P-8933 | 0°F TO 800°F GRAPHITE YARN |

OPTIONAL PARTS LIST

| ITEM | QTY | PART NAME | PART NO./CAT NO. | DESCRIPTION / MATL |
|------|-----|-------------------------|------------------|-----------------------------|
| 41 | 1 | REPLACEABLE SEAT | 101B-1387 | NOT SHOWN 17-4PH |
| 40 | 1 | SEAT RETAINER | 101C-5963 | NOT SHOWN 316 SS |
| 39 | 1 | SPACER | 105A-2577 | 304 SS |
| 38 | 1 | BACK-UP WASHER | 1020-9447 | 17-4PH |
| 37 | 1 | PACKING GLAND | 202B-4929 | 316 SS |
| 36 | AR | GLAND | AGL90 | NOT SHOWN 316 SS |
| 35 | AR | COLLAR | ACL90 | 316 SS |
| 34 | 1 | BODY | SEE TABLE | 316 SS |
| 33 | 1 | LOCKING DEVICE | P-0323 | 302 SS |
| 32 | 1 | PACKING | P-0830 | PACKING SET LEATHER |
| 31 | 2 | PACKING | P-0829 | P-0864 NYLON |
| 30 | 2 | PACKING WASHER | 3130-1477 | 17-4PH |
| 29 | 1 | SPRING 2.0 X3 1/2 EHD | P-1723 | 368#/ 1/8" DEFL. CR V STEEL |
| 28 | 1 | STEM | SEE TABLE | 17-4PH |
| 27 | 1 | YOKE ASSY W/BUSHING | 301A-3641 | PAINTED CARB STL |
| 26 | 2 | 5/16-24 SOC HD CAP SCR | P-8920 | .62 LG. STEEL |
| 25 | 2 | RETAINING RING | P-8924 | 5.18 OD STEEL |
| 24 | 1 | 1/4-28 HEX NUT | P-3289 | STEEL |
| 23 | 2 | RETAINING RING | P-1391 | STEEL |
| 22 | 1 | SHAFT | 101C-0456 | 316 SS |
| 21 | 1 | STEM POSITION INDICATOR | 101C-0484 | 300 SER SS |
| 20 | 2 | O-RING UNIF #012 | P-1834 | BUNA-N |
| 19 | 2 | 3/8-16 SOC HD CAP SCREW | P-8921 | .88 LG. STEEL |
| 18 | 2 | THREAD SEAL | P-8918 | BUNA-N |
| 17 | 2 | O-RING UNIF #208 | P-8922 | BUNA-N |
| 16 | 1 | 3/8-16 HEX NUT | P-0881 | STEEL |
| 15 | 1 | MIDDLE PLATE | 304A-3639 | ALUM |
| 14 | 1 | CENTER ROD | 202B-4928 | 316 SS |
| 13 | 2 | RETAINING RING | P-1724 | 5.30 OD STEEL |
| 12 | 1 | 1/4-20 X .31 LG SET SCR | P-1718 | W/NYLON TIP 300 SERIES SS |
| 11 | 2 | O-RING UNIF #248 | P-1720 | TFE. COATED BUNA-N |
| 10 | 2 | O-RING UNIF #248 | P-1719 | BUNA N |
| 9 | 1 | #10-24 SOC HD MACH SCR | P-1995 | .38 LG. 300 SER SS |
| 8 | 1 | 1/2-13 X 2.50 LG. BOLT | P-0884 | STEEL |
| 7 | 1 | 1/2-13 HEX JAM NUT | P-0878 | STEEL |
| 6 | 1 | SPRING SUPPRESSOR | 1020-8912 | CARB STL |
| 5 | 1 | SPRING HOUSING | 3050-4752 | ALUM |
| 4 | 2 | PISTON | 101B-9018 | ALUM |
| 3 | 1 | BOTTOM COVER | 305A-3639 | ALUM. |
| 2 | 1 | TOP COVER | 306A-3639 | ALUM |
| 1 | 1 | HOUSING | 302A-3640 | ALUM |

| ITEM | QTY | PART NAME | PART NO./CAT NO. | DESCRIPTION / MATL |
|------|-----|-----------|------------------|--------------------|
|------|-----|-----------|------------------|--------------------|

PARTS LIST

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AIR OPERATED VALVE ASSEMBLY
9/16 60VM-02S

| REVISIONS | DATE | BY | CHK | APP |
|-----------|---|----|-----|-----|
| 4 | ADDED -C STEM & SEAT, YOKE DIMS JHR 5/21/01 | | | |
| 3 | REVISED PER ECN 891-24 JCD 12/14/00 JHR | | | |
| 2 | REVISED PER ECN728-215 / MAJ DSC 5-8-91 | | | |
| 1 | ADDED COLLET GLAND ASSY. MG 7-10-90 SK BL | | | |

| ORDER | DR | DRAWING |
|-------|-------------|------------|
| STD | BMH 9-27-88 | 30A-0647-4 |
| | CH. CEN | |
| | APP. SGR | |

CONTROL DRAWING