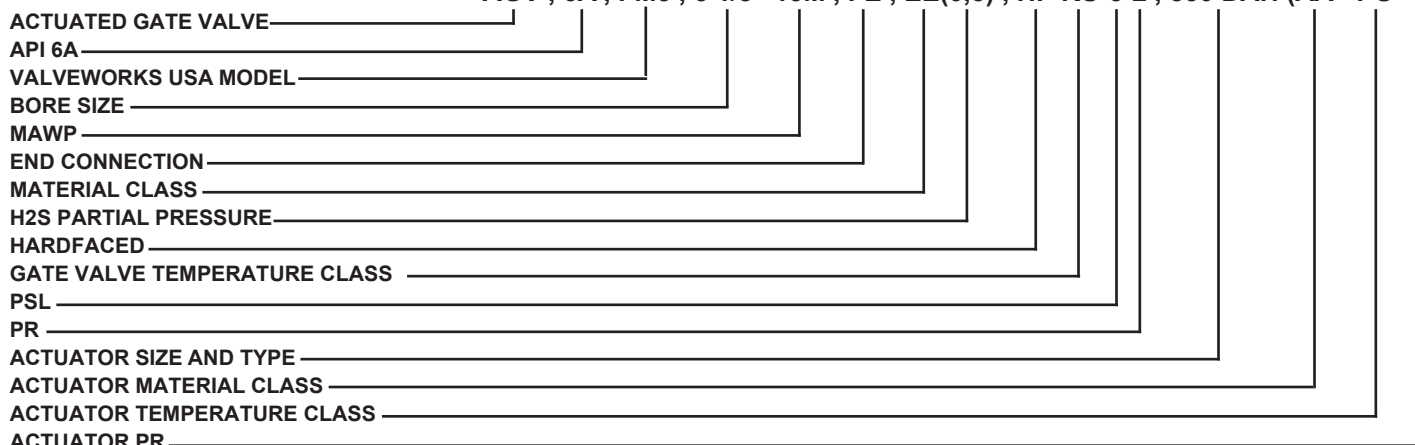


GATE VALVE MODEL EXPLANATION



GATE VALVE ABBREVIATION KEY

AGV , 6A , FM3 , 5 1/8" 15M , FE , EE(0,5) , HF-KU-3-2 , 850 DAH (AA - PU - 2)



GATE VALVE MODEL

| MODEL | DESCRIPTION | BODY TYPE |
|-----------|---|-----------|
| MDS | MODEL M, DIRECTIONAL SEAL | CAST |
| MSG | MODEL M, SLAB GATE | CAST |
| MRC DS | MODEL M - ROUND CAVITY, EXPANDING GATE, DIRECTIONAL SEAL | FORGED |
| MRC SG | MODEL M - ROUND CAVITY, SLAB GATE | FORGED |
| XPR | EXTREME PERFORMANCE & RELIABILITY | FORGED |
| FM1 | MODEL FM1 (7 1/16" 10M & 15M) | FORGED |
| FM2 | MODEL FM2 (4 1/16" 15M) | FORGED |
| FM3 | MODEL FM3 (5 1/8" 10M & 15M) | FORGED |
| FM4 | MODEL FM4 (7 1/16" 2M, 3M, & 5M), EXPANDING GATE | CAST |
| FM4 SG | MODEL FM4 (7 1/16" 2M, 3M, & 5M), SLAB GATE | CAST |
| FM4 RC | MODEL FM4 ROUND CAVITY (7 1/16" 2M, 3M, & 5M), EXPANDING GATE | FORGED |
| FM4 RC SG | MODEL FM4 ROUND CAVITY (7 1/16" 2M, 3M, & 5M), SLAB GATE | FORGED |
| VM3C | MODEL VM3C, FOR CORROSIVE SERVICE | CAST |
| VM3 | MODEL VM3 FORGED, FOR CORROSIVE SERVICE | FORGED |

ABBREVIATION KEY

GV = GATE VALVE
 AGV = ACTUATED GATE VALVE
 BSOP = BALL-SCREW OPERATED
 HWO = HANDWHEEL OPERATED
 EXP = EXPANDING
 RC = ROUND CAVITY (FORGED)
 SG = SLAB GATE
 DS = DIRECTIONAL SEAL
 D/O = DIRECT OPERATING
 R/A = REVERSE ACTING
 FE = FLANGED END
 HF = HARDFACED
 KU = TEMP. CLASS K/U (-75F TO 250F)
 LU = TEMP. CLASS L/U (-50F TO 250F)
 PU = TEMP. CLASS P/U (-20F TO 250F)

X = TEMP. CLASS X (0F TO 350F)
 Y = TEMP. CLASS Y (0F TO 650F)
 DAH = DOUBLE ACTING HYDRAULIC
 550 DAH = 5.5" PISTON ACTUATOR
 650 DAH = 6.5" PISTON ACTUATOR
 850 DAH = 8.5" PISTON ACTUATOR
 PDA = PNEUMATIC DIAPHRAGM ACTUATOR
 100 PDA = 10" PNEUMATIC DIAPHRAGM ACTUATOR
 120 PDA = 12" PNEUMATIC DIAPHRAGM ACTUATOR
 150 PDA = 15" PNEUMATIC DIAPHRAGM ACTUATOR
 200 PDA = 20" PNEUMATIC DIAPHRAGM ACTUATOR
 PPA = PNEUMATIC PISTON ACTUATOR

130 PPA = 13" PNEUMATIC PISTON ACTUATOR
 SAH = SINGLE ACTING HYDRAULIC
 550 SAH = 5.5" PISTON ACTUATOR
 650 SAH = 6.5" PISTON ACTUATOR
 PSL = PRODUCT SPECIFICATION LEVEL
 PR = PERFORMANCE REQUIREMENT
 MAWP = MAXIMUM ALLOWABLE WORKING PRESSURE
 LP = LINE PIPE
 STC = CASING SHORT THREAD
 LC = CASING LONG THREAD
 EU = TUBING, EXTERNAL UPSET
 XYL = XYLAN®
 VP = VALVE PREP (ADAPTED FOR ACTUATOR)