

# Model A-718D-ML Series

## 1" Angle Valve



### TECHNICAL SPECIFICATIONS

- Maximum Operating Pressure: 500 PSIG
- Maximum Operating Temperature: 350°F (Limited by elastomeric seals)
- Flow Coefficient ( $C_v$ ): 21 @ wide-open position
- Handwheel Rotation: Clockwise to close produces upward motion of Stem
- Normal Handwheel Closing Torque: 20~25 ft-lb. (Maximum Torque: 80 ft-lb limited by Shear Feature)
- Stroke: .75" Nominal. Stroke: Measurement above .87" indicates Seat Seal, Item #9, must be replaced
- Packing Screw Torque: Tighten to 65 ft-lb, then back off 1/8 turn
- Mounting Flange: 6" square X 0.75" thick with (4) .87" holes
- Mounting Studs: (4) .75" X 3" Long (Min.) Torque to 150 ft-lb Max.
- Tongue Dimensions: 4.745" OD X 4.005" ID X 0.250" (0.125" thick gasket required; not furnished with valve)
- AAR Approval No. E132004

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Item	Qty	Part Name	Material	Part No.
1	1	Hand Wheel	Cast Iron	713-111-C1
2	1	Stem	Hastelloy C®	718-21-HC
3	1	Seal Retainer	Monel®	718-303-ML
4	1	Body	Monel®	718-42-ML
5	1	1" Bonnet	Monel®	718-5-ML
6	3	Cap Screw	Monel®	718-151-ML
7	1	Packing Screw with Insert	Monel®	718-81-ML
8	1	Packing Insert	PTFE	713-82-TF
9	1	Seat Seal - VV	PTFE	713-10-TF
10	1	Packing Ring Assembly	PTFE	713-11-TF
11	2	"O" Ring	Viton® GL	713-12-VL
12	2	"O" Ring	Viton® GL	713-13-VL
13	1	Lock Nut	Stainless Steel	713-14-SS
14	4	Stud	Monel®	713-151-ML
15	4	3/8" Split Lock Washer	Monel®	713-152-ML
16	4	Hex Nut	Monel®	713-152-ML
17	1	"O" Ring	Viton® GL	718-15-VL
18	1	Retaining Pin	Hastelloy® C	720-19-HC
19	1	Slotted Nut	Inconel®	713-201-IN
20	1	Male Packing Adapter	Monel®	713-21-ML
21	3	1/2" Split Lock Washer	Monel®	713-152-ML
22	1	Outlet Flange Gasket	Gylon®	718-22-GY
23	1	Instruction Plate	Plastic	718-26-PS
24	1	Wiper	PTFE	713-22-TF
25	1	Washer	Stainless	713-141-SS
26	1	Name Plate	Monel®	718-28B-ML
27	1	Retainer Seal Washer	Monel®	718-191-ML
28	1	Packing Spring	Inconel®	713-17-IN
29	1	1" Pipe Plug Assembly	Monel®	718-162-ML
30	1	Outlet Flanges	Monel®	718-702-ML
31	1	Seat Insert	Hastelloy® C	718-9-HC
32	1	Lower Gasket	PTFE	718-32-TF
33	2	O-Ring (Size: 2-137)	Viton® GL	718-33-VL
34	2	Drive Screw	Stainless	763-11-SS
35	1	Placard (Not Shown)	Plastic	728-261-PL

