

Model A-718C-ML
1" Angle Valve
March 17, 2017
Rev. 1



TECHNICAL SPECIFICATIONS

- Maximum Operating Pressure: 500 psig
- Maximum Operating Temperature: 350°F (Limited by elastomeric seals)
- Flow Coefficient (Cv) w/ A-180: 20.3 (@ wide open position)
- Handwheel Rotation: Clockwise to close produces upward motion of stem
- Handwheel Closing Torque: 20~25 ft-lb (Max. Torque: 80 ft-lb limited by Shear Feature)
- Stroke: 3/4" Nominal. Stroke: Measurement above 7/8" indicates Seat Seal, Item #9, must be replaced

- Packing Screw Torque: Tighten to 30 ft-lb
- Mounting Flange: 6" square X 0.75" thick with (4) 7/8" holes
- Mounting Studs: 3/4" X 3" Long (Min.) Torque to 150 ft-lb
- Tongue Dimensions: 4.745" OD X 4.005" ID X 0.250" (0.125" thick gasket required; not furnished with valve)
- Alternate material of construction available
- AAR Approval No. E132004



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 W/ INSERT	MONEL	713-81-ML
8	1	PACKING INSERT	PTFE	713-82-TF
9	1	SEAT SEAL - VV	PTFE	718-10-TF
10	1	PACKING RING ASSY	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	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	713-153-ML
17	1	O-RING	VITON GL	718-15-VL
18	1	RETAINING PIN	HASTELLOY C	720-19-HC
19	1	SLOTTED NUT	INCONEL	713-202-IN
20	1	MALE PACKING ADAPTER	MONEL	713-21-ML
21	3	1/2" SPLIT LOCK WASHER	MONEL	718-152-ML
22	1	OUTLET FLANGE GASKET	GYLON	718-22-GY
23	1	INSTRUCTION PLATE	PLASTIC	718-26-PS
24	1	WIPER	PTFE	713-33-TF
25	1	WASHER	STAINLESS	713-141-SS
26	1	NAME PLATE	MONEL	718-28C-ML
27	1	RETAINER SEAL WASHER	MONEL	718-191-ML
28	1	PACKING SPRING	INCONEL	713-17-IN
29	1	1" PIPE PLUG ASSY	MONEL	718-162-ML
30	1	OUTLET FLANGE	MONEL	718-702-ML
31	1	SEAT INSERT	HASTELLOY C	718-9-HC

ITEM	QTY	PART NAME	MATERIAL	PART NO.
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

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