

## Model A-713-XM-CA

Angle Valve

August 15, 2014



### TECHNICAL SPECIFICATIONS

- Maximum Operating Pressure: 500 psig
- Maximum Operating Temperature: 350°F (Limited by elastomeric seals)
- Flow Coefficient (Cv) : 20.1 @ wide open position
- Handwheel Rotation: Clockwise to close
- Normal Handwheel Closing Torque: 20~25 ft-lb (Maximum 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 65 ft-lb, then back off 1/8 turn
- Mounting Flange:  $\phi 5"$  round X 0.75" thick with four 7/8" holes on  $\phi 3\text{-}1/2$  B.C.

- Mounting Studs: four  $3/4"$  X 3" long (min.) Consult your gasket mfg for required torque values.
- Alternate materials of construction available
- AAR Approval No. E092016

### Notes

- AAR-approved as an alternate to chlorine
- Chlorine Institute drawings 104 and 105 for chlorine tank cars
- U.S. dot special permit Dot-E 9694 authorizes use on MC 331 cargo tanks
- U.S. Dot USCG approved for barges carrying chlorine per LTR. of 3-13-89

ITEM	QTY	PART NAME	MATERIAL	PART NO.
1	1	HANDWHEEL	CAST IRON	713-11-CI
2	1	STEM	HASTELLOY C.	713-2-HC
3	1	SEAL RETAINER	MONEL	713-303-ML
4	1	BODY	MONEL	713-411-ML
5	1	BONNET	MONEL	713-511-ML
6	—	—	—	—
7	1	OUTLET FLANGE	STEEL LF2, CL1 PLATED	713-711-CL
8	1	PACKING SCREW	MONEL	713-81-ML
9	1	BODY INSERT	HASTELLOY C.	713-9-HC
10	1	SEAT SEAL	PTFE	713-10-TF
11	5	PACKING RING	PTFE	713-11-TF
12	2	STEM O-RING	VITON	713-12-VL
13	2	OUTLET O-RING	VITON	713-13-VL
14	1	NYLON INSERT LOCKNUT	STAINLESS STEEL	713-14-SS
15A	7	STUD	MONEL	713-151-ML
15B	7	NUT	MONEL	713-153-ML
15C	7	LOCKWASHER	MONEL	713-152-ML
16	1	PIPE PLUG & CABLE ASSY	STEEL/STAINLESS	713-163-XSTF
17	1	PACKING SPRING	INCONEL	713-17-IN
18A	1	U-BOLT	MONEL	713-18-ML
18B	2	LOCKNUT	MONEL	713-181-ML
19	1	RETAINER PIN	HASTELLOY C.	720-19-HV
20	1	RETAINER NUT	INCONEL	713-201-IN
21	1	MALE PACKING ADAPTER	MONEL	713-21-ML
22	1	OUTLET FLANGE GASKET	GYLON	713-22-GY
23	2	BODY O-RING	VITON	713-23-VL
24	1	INSERT GASKET	LEAD*	713-24-PB
25	1	NAMEPLATE	MONEL	713-250-ML
26	1	INSTRUCTION PLATE	PLASTIC	713-26-PS
27	1	WIPER	PTFE	713-33-TF
28	1	FLAT WASHER	STAINLESS STEEL	713-141-SS

## Model A-713-XM-CA Angle Valve August 15, 2014

