


MEC **Excelsior**™ 3" Flanged Internal Valves

Features

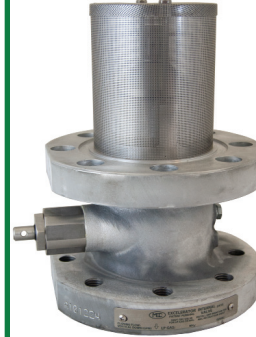
- Durable steel body with cadmium surface plating
- All stainless internal component construction
- One piece threaded packing gland
- Precision machined hard coated stem & stem guide
- Fully retained nitrile seat disc
- Largest variety of excess flow closing values
- Corrosion resistant sleeved flange bolt holes
- Xylan coated corrosion resistant mounting studs
- Roller cam actuation
- Industry's fastest bleed time
- Removable data plate
- Industry's easiest valve to service
- Standard construction utilizes nitrile seals
- Available with Neoprene, Viton®, or Kalrez® seals
- Available with 316 Stainless Steel bodies
-  LISTED for LPG & NH₃ service
- Rulon™ bearings on stem and stub shafts

ME990S-3F-24



Modified Single Flange Series

ME990S-3DF



Standard Double Flange Series

ME990S-3DFM



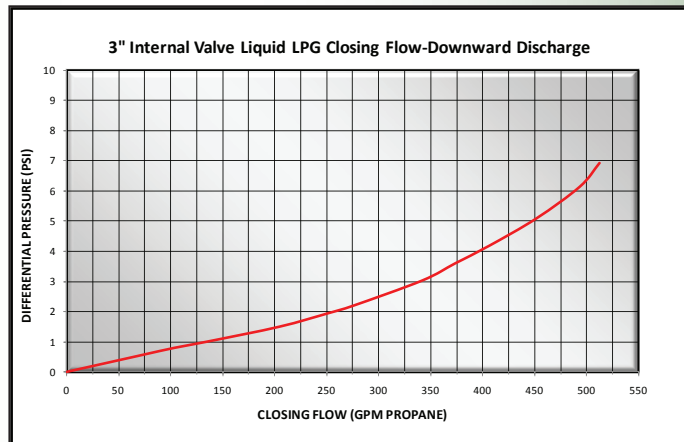
Modified Double Flange Series



Description

Intended for use on bobtail delivery trucks, transport trucks and large storage tanks with 3" flanged connections in directional or bi-directional flow applications. Provides both manual shut-down and excess flow closing in the event the of the piping being seperated from the valve. Can be equipped with manual latch, pneumatic or rotary actuator open/ closing devices. All valve models are equipped with a break-away feature in the cast body which permits the pump or piping to shear off in the event of side impact, leaving the valve poppet intact and protecting the tank from catastrophic product loss.

"X"	3" Valve Liquid Closing Flow Values
175	175 GPM LPG Closing Flow
250	250 GPM LPG Closing Flow
300	300 GPM LPG Closing Flow
375	375 GPM LPG Closing Flow
400	400 GPM LPG Closing Flow
475	475 GPM LPG Closing Flow
500	500 GPM LPG Closing Flow
* For NH ₃ Multiply GPM by .90	



MEC Excelsior™ 3" Flanged Internal Valves	
Part No. *	Description
ME990S-3DF-"X"	Excelsior™ 3" Double Flange Bobtail Internal Valve - Only
ME990SA-3DF-"X"	Excelsior™ 3" Double Flange Bobtail Internal Valve - with Pneumatic Actuator
ME990SAR-3DF-"X"	Excelsior™ 3" Double Flange Bobtail Internal Valve - with Rotary Actuator
ME990S-3DFM-"X"	Excelsior™ 3"-300 lb. Modified Double Flange Internal Valve - Only
ME990SA-3DFM-"X"	Excelsior™ 3"-300 lb. Modified Double Flange Internal Valve - with Pneumatic Actuator
ME990SAR-3DFM-"X"	Excelsior™ 3"-300 lb. Modified Double Flange Internal Valve - with Rotary Actuator
ME990S-3F-24-"X"	Excelsior™ 3"-300 lb. Modified Single Flange x 3" FNPT Internal Valve - Only
ME990SA-3F-24-"X"	Excelsior™ 3"-300 lb. Modified Single Flange x 3" FNPT Internal Valve - with Pneumatic Actuator
ME990SAR-3F-24-"X"	Excelsior™ 3"-300 lb. Modified Single Flange x 3" FNPT Internal Valve - with Rotary Actuator

* Note: Indicate desired excess flow closing value when ordering - see chart for values i.e. ME990S-3SF-250 (250 GPM)
 To order Kalrez® add "K" for Kalrez® after the prefix part number i.e. ME990SK-SDF-300
 To order Neoprene add "N" for Neoprene after the prefix part number i.e. ME990SN-SDF-300
 To order Viton® add "V" for Viton® after the prefix part number i.e. ME990SV-SDF-300

PLEASE SEE BACK PAGE FOR SERVICE AND REPAIR KITS

MEC Excelerator TM 3" Internal Valve Model 3F - Accessories	
Part No.	Description
ME206	PowerStroke Actuator
ME226	PowerTorq Direct Drive Actuator
MEC Excelerator TM 3" Internal Valve Model 3DF / 3DFM - Accessories	
Part No.	Description
ME207	PowerStroke Actuator
ME227	PowerTorq Direct Drive Actuator
MEC Excelerator TM 3" Internal Valve - Service Kits & Repair Parts	
Part No.	Description
ME990-24-VRK	Excelerator TM 3", 3" DF, 3" DFM Internal Valve - Complete Rebuild Kit
ME990-24-SRK	Excelerator TM 3", 3" DF, 3" DFM Internal Valve - Seal Repair Kit
ME990-PRK	Excelerator TM 2" & 3" Internal Valve - Stem Packing Repair Kit
ME990-PGA	Excelerator TM 2" & 3" Internal Valve Packing Gland Assy.
ME990-106-"X" *	Excelerator TM 3" Internal Valve Excess Flow Spring
MEP147-01	Cable Connector Ring for 1-1/4" - 3" Internal Valves
ME990-140	Excelerator TM 2" & 3" Manual Operating Lever - Standard
ME990-3F-24-140	Excelerator TM 3" Modified Single & Double Flange Manual Operating Lever - Short
ME990-160	Universal Internal Valve Fusible Link - 212° F.
ME990-3DF-121	Excelerator TM 3" Double Flange Self-Guiding Poppet Retaining Nut
ME990-3DF-122	Excelerator TM 3" Double Flange Retaining Nut Roll Pin
ME990-3DF-138	Excelerator TM 3" Double Flange Screen Mounting Post
ME990-3DF-144	Excelerator TM 3" Double Flange Filter Screen Perforated Steel
ME990-3DF-145	Excelerator TM 3" Double Flange Filter Cap Perforated Steel
ME990-3DF-146	Excelerator TM 3" Double Flange Screen Mounting Post - Locknut
ME990-3DF-148	Excelerator TM 3" Double Flange Stem Guide Bracket
ME930-244	Excelerator TM 3" Double Flange Stem Guide Bracket Screw #10-32
ME904SK-01	3" Modified Single & Double Flange Internal Valve Tank Side Mount Stud 3" OAL - B7
ME990-151	3" Bobtail Double Flange Internal Valve Tank Side Mount Stud 3-1/2" OAL - B7
ME904SK-02	3" Internal Valve Mount Stud Standard Hex Nut 3/4 - 10 B8
ME990-3DF-153	Excelerator TM 3" Double Flange Internal Valve Inlet Flange Gasket
ME904S-3F-027	Excelerator TM 3" Double Flange Outlet / 3" Modified Inlet Flange Gasket

* Note: Indicate desired excess flow closing value when ordering - see chart for values
Example: ME990-107-250 (250 GPM)