

Next Generation Excelerator 3" Double Flanged Off-Set Internal Valves

Features

- Body outlet flange offset 2" from inlet flange
- Rotate valve body in either direction 1 bolt hole to reduce offset to 1-1/4"
- Standard with 3 gland ports for stem relocation (2 plugged)
- Each gland port can accept pneumatic or rotary type actuators
- 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
- UL LISTED for LPG & NH, service
- ullet Rulon_{TM} bearings on stem and stub shafts

PATENT PENDING



ME990S-3DFO

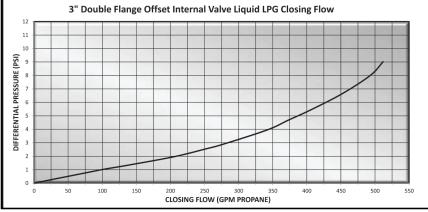
Description

Intended for use on bobtail delivery trucks with 3" flanged connections in directional or bi-directional flow applications. The 2" offset outlet flange prevents pump installation interference with truck frame rails, cross members, PTO covers, drive shafts, and other common obstacles when remounting bobtail vessels onto new chassis. In order to reduce the amount of offset from the 2" maximum to 1-1/4", simply rotate the inlet flange connection by 1 bolt hole either direction. To eliminate the offset entirely, simply rotate 1 more bolt hole. The $\mathsf{Excelerator}_{_{\mathsf{TM}}}$ offset is equipped standard with three separate packing gland locations to prevent interference while mounting the valve actuator no matter how you choose to mount the valve. Provides both manual shut-down and excess flow closing in the event of the valve being separated from the tank. Can be equipped with 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.



Alternate Gland Ports





"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 Excelerator _{TM} 3" Double Flanged Offset Internal Valves		
Part No. *	Description	
ME990S-3DFO-"X"	Excelerator _{TM} 3" Double Flange Offset Bobtail Internal Valve - Only	
ME990SA-3DFO-"X"	Excelerator _{TM} 3" Double Flange Offset Bobtail Internal Valve - with Pneumatic Actuator	
ME990SAR-3DFO-"X"	Excelerator _{TM} 3" Double Flange Offset Bobtail Internal Valve - with Rotary Actuator	



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

PLEASE SEE BACK PAGE FOR SERVICE AND REPAIR KITS





Service & Repair Parts

MEC Excelerator ™ 3" Internal Valve Model 3DFO - Accessories		
Part No.	Description	
ME207	PowerStroke Actuator	
ME227	PowerTorq Direct Drive Actuator	

MEC Excelerator _™ 3" Offset Double Flange 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	
ME990-160	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 _™ 3" Double Flange Stem Guide Bracket	
ME930-244	Excelerator _™ 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 _™ 3" Double Flange Internal Valve Inlet Flange Gasket	
ME904S-3F-027	Excelerator _{TM} 3" Double Flange Outlet / 3" Modified Inlet Flange Gasket	
ME990-3DFO-102	Offset Stand-Off 1/2-13UNC-2A x 5/16-24UNF-2A x 1.67"OAL - SS	
ME990-3DFO-103	Offset Gland Plug 1-3/8-12UNF-2A x 1-5/8"HX - SS	

^{*} Note: Indicate desired excess flow closing value when ordering - see chart for values Example: ME990S-3DFO-250 (250 GPM)

