

## 2" & 3" Threaded Internal Valves

### Features

- Durable ductile body with cadmium surface plating
- All stainless internal component construction
- One piece threaded packing gland
- Precision machined hard coated stem
- Fully retained nitrile seat disc
- Largest variety of excess flow closing values
- 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
- UL LISTED for LPG & NH<sub>3</sub> service
- Rulon<sup>TM</sup> bearings on stem and stub shafts



ME990M-16



2" NPT  
Internal Valve  
w/ Manual Latch

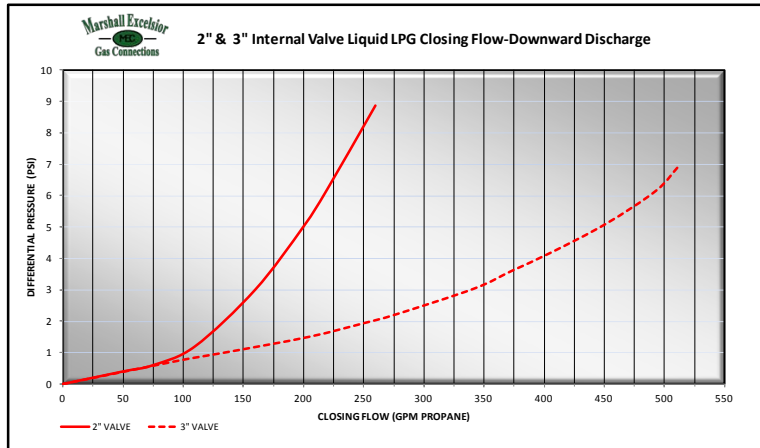
ME990-24



3" NPT  
Internal Valve

### Description

Intended for use on transport trucks and large storage tanks with 2" or 3" threaded connections in directional or bi-directional flow applications. Provides both manual shut-down and excess flow closing in the event of the piping being separated 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 piping to shear off in the event of side impact, leaving the valve poppet intact and protecting the tank from catastrophic product loss. For liquid or vapor service applications



"X"	2" Valve Liquid Closing Flow Values
110	110 GPM LPG Closing Flow
160	160 GPM LPG Closing Flow
260	260 GPM LPG Closing Flow

"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
475	475 GPM LPG Closing Flow
500	500 GPM LPG Closing Flow

\* For NH<sub>3</sub> multiply GPM by .90

MEC Excelerator <sup>TM</sup> 2" & 3" Threaded Internal Valves	
Part No. *	Description
ME990-16-"X"	Excelerator <sup>TM</sup> 2" MNPT x 2" FNPT Internal Valve - Only
ME990A-16-"X"	Excelerator <sup>TM</sup> 2" MNPT x 2" FNPT Internal Valve - with Pneumatic Actuator
ME990AR-16-"X"	Excelerator <sup>TM</sup> 2" MNPT x 2" FNPT Internal Valve - with Rotary Actuator
ME990M-16-"X"	Excelerator <sup>TM</sup> 2" MNPT x 2" FNPT Internal Valve - with Manual Latch
ME990-24-"X"	Excelerator <sup>TM</sup> 3" MNPT x 3" FNPT Internal Valve - Only
ME990A-24-"X"	Excelerator <sup>TM</sup> 3" MNPT x 3" FNPT Internal Valve - with Pneumatic Actuator
ME990AR-24-"X"	Excelerator <sup>TM</sup> 3" MNPT x 3" FNPT Internal Valve - with Rotary Actuator
ME990M-24-"X"	Excelerator <sup>TM</sup> 3" MNPT x 3" FNPT Internal Valve - with Manual Latch

\* Note: Indicate desired excess flow closing value when ordering - see chart for values  
i.e. ME990-24-250 (250 GPM)  
To order Kalrez® add "K" for Kalrez® after the prefix part number i.e. ME990K-16-160  
To order Neoprene add "N" for Neoprene after the prefix part number i.e. ME990N-16-160  
To order Viton® add "V" for Viton® after the prefix part number i.e. ME990V-16-160

PLEASE SEE BACK PAGE FOR ACCESSORIES, SERVICE AND REPAIR KITS



Accessories	
Part No.	Description
<b>MEP990-24</b>	<b>Excelerator<sub>TM</sub></b> Manual Latch Assembly for 2" & 3" Threaded Internal Valves
<b>MEP650</b>	Open/Close Cable Control Release with 50' Cable
<b>MEP651</b>	Open/Close Cable Control Release - Only
<b>ME206</b>	PowerStroke Actuator
<b>ME226</b>	PowerTorq Direct Drive Actuator

Service Kits & Repair Parts	
Part No.	Description
<b>ME990-16-VRK</b>	<b>Excelerator<sub>TM</sub></b> 2" Internal Valve Complete Valve Repair Kit
<b>ME990-16-SRK</b>	<b>Excelerator<sub>TM</sub></b> 2" Internal Valve Seal Repair Kit
<b>ME990-16-106-"X" *</b>	<b>Excelerator<sub>TM</sub></b> 2" Internal Valve Excess Flow Spring
<b>ME990-24-VRK</b>	<b>Excelerator<sub>TM</sub></b> 3" Internal Valve Complete Repair Kit
<b>ME990-24-SRK</b>	<b>Excelerator<sub>TM</sub></b> 3" Internal Valve Seal Repair Kit
<b>ME990-106-"X" *</b>	<b>Excelerator<sub>TM</sub></b> 3" Internal Valve Excess Flow Spring
<b>ME990-PGA</b>	<b>Excelerator<sub>TM</sub></b> 2" & 3" Internal Valve Packing Gland Assembly
<b>ME990-PRK</b>	<b>Excelerator<sub>TM</sub></b> 2" & 3" Internal Valve Stem Packing Repair Kit
<b>ME990-140</b>	<b>Excelerator<sub>TM</sub></b> 2" & 3" Manual Operating Lever - Standard
<b>ME990-160</b>	Universal Internal Valve Fusible Link - 212° F.
<b>MEP147-01</b>	Cable Connector Ring for 1-1/4" - 3" Internal Valves

\* Note: Indicate desired excess flow closing value when ordering - see chart for values  
Example: ME990-16-106-260 (260 GPM) IE: ME990-107-250 (250 GPM)

Viton® and Kalrez® are trademarks of DuPont Performance Elastomers.