



HIGH FLOW BYPASS VALVES

for bobtail truck applications

Bypass Mode



ME845C-125

PATENT PENDING

Self-Load Mode



Small Cylinder/
Forklift Tank
Fill Mode



APPLICATION:

Versa-Fill Bypass Valves are designed to protect pumps from damage due to excessive pressure while providing optimal flow, maximum adjustability, versatility and performance of the pumping system. Versa-Fill features three distinct settings and functions including normal bypass, auxiliary suction evacuation/self-load and small cylinder/forklift filling mode.

Normal Bypass Mode: functions just like our standard ME840 Series bypass valve during domestic tank deliveries by pushing maximum pump output to the hose end delivery nozzle while protecting the pump if the nozzle is closed during delivery.

Auxiliary Suction Evacuation/Self-Load Mode: allows for 100% of pump flow to be diverted through a built-in full port flow control valve, permitting the pump suction inlet to be utilized for tank evacuation or self-loading without secondary manual load loop piping.

Small Cylinder/Forklift Fill Mode: a built in, fully adjustable proportional flow control valve allows a portion of flow from the pump to be diverted back to the tank in order to reduce flow rates at the hose end delivery nozzle to safely and accurately fill small cylinders.

FEATURES:

- Drop-in replacement to all standard bypass valves
- Repeatability flow rates for filling small cylinders such as forklift tanks - can be precisely tuned and set to match any truck's plumbing
- Evacuation/Self-load flow rates up to 125 GPM with less than 2 PSI differential pressure
- Bypass performance is equivalent to standard bypass valves
- Flexible installation options include left hand or right hand with lever control in any orientation necessary to allow easy access
- All Stainless Steel internal components and external control levers
- Ductile iron body
- Alternative springs available:
 - ME840-16-108-40 (20-40 PSI)
 - ME840-16-108-70 (40-70 PSI)
 - ME840-16-108-90 (70-90 PSI)
 - ME840-16-108-150 (125-150 PSI)



Part No.	Description	Poppet Type	Standard Spring Range*
ME845-125	1-1/4" - 2" Versa-Fill	Standard/ High Flow	90-125 PSI
ME845C-125		Classic Flow	
ME845-150	Bypass Valve w/o flanges	Standard/ High Flow	125-150 PSI
ME845C-150		Classic Flow	
ME845-10-125	1-1/4" FNPT Versa-Fill	Standard/ High Flow	90-125 PSI
ME845C-10-125		Classic Flow	
ME845-10-150	Bypass Valve	Standard/ High Flow	125-150 PSI
ME845C-10-150		Classic Flow	
ME845-12-125	1-1/2" FNPT Versa-Fill	Standard/ High Flow	90-125 PSI
ME845C-12-125		Classic Flow	
ME845-12-150	Bypass Valve	Standard/ High Flow	125-150 PSI
ME845C-12-150		Classic Flow	
ME845-16-125	2" FNPT Versa-Fill	Standard/ High Flow	90-125 PSI
ME845C-16-125		Classic Flow	
ME845-16-150	Bypass Valve	Standard/ High Flow	125-150 PSI
ME845C-16-150		Classic Flow	

* Alternate spring ranges available. Please see replacement parts section



ME840-16-104
Standard Poppet



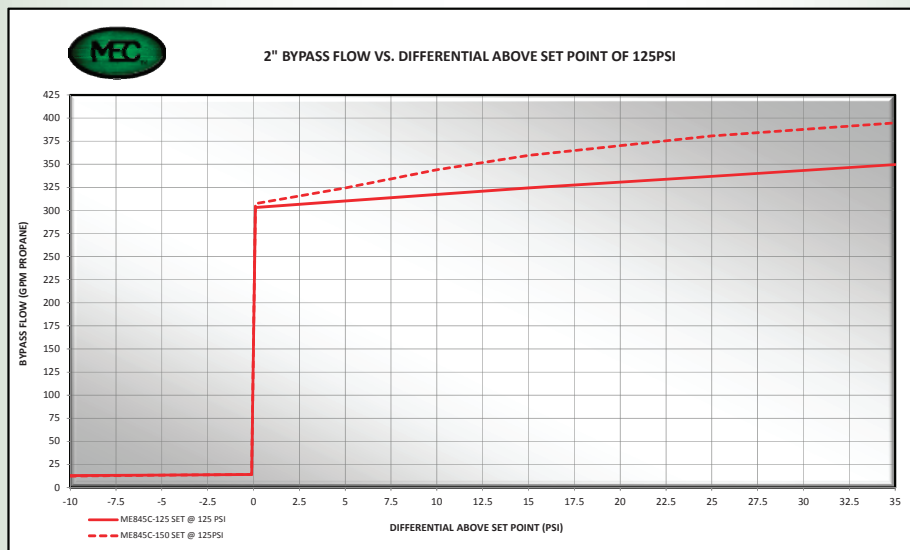
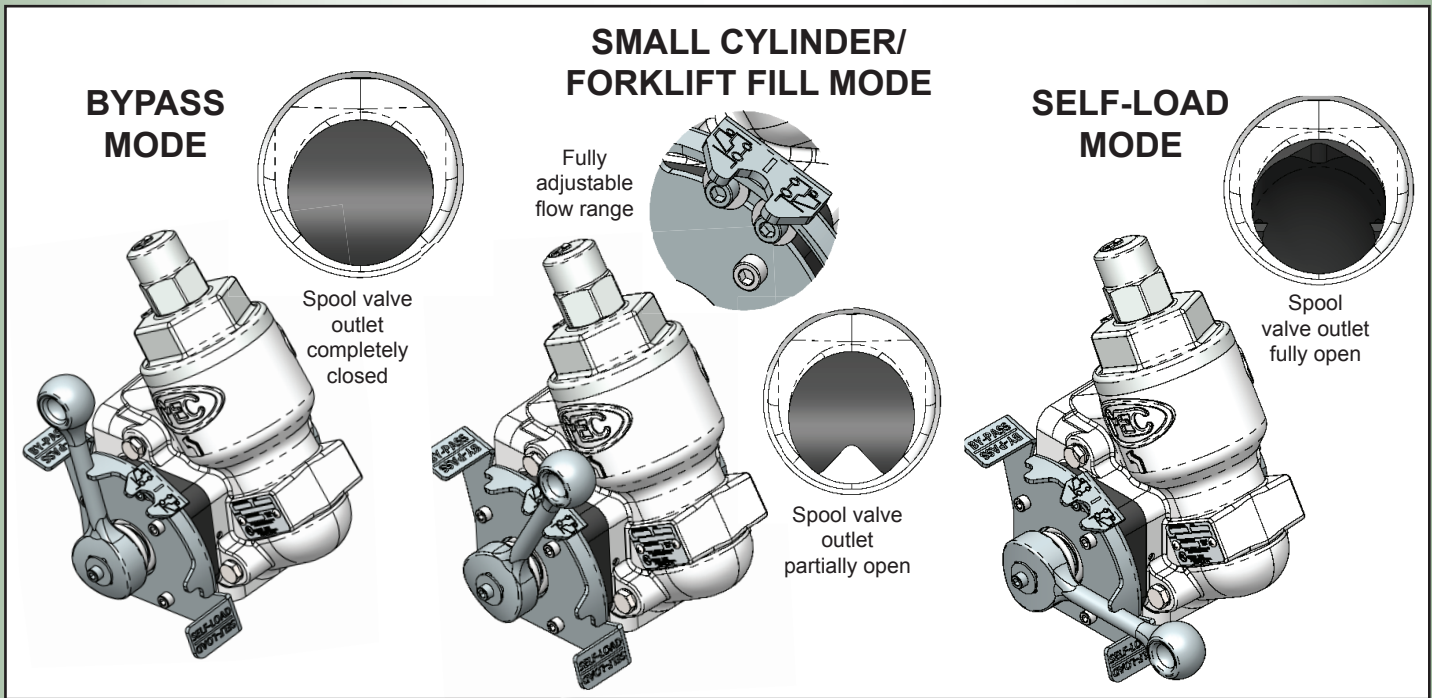
ME840C-16-104
Classic Poppet

*Designed to create higher differential pressure and increased poppet travel in low flow applications such as bobtails



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www.marshallexcelsior.com





REPLACEMENT PARTS AND ACCESSORIES	
Part No.	Description
ME845-HRK	Versa-Fill Bypass Handle Repair Kit
ME845-PGA	Versa-Fill Bypass Packing Gland Assembly
ME845-SRK	Versa-Fill Bypass Seal Repair Kit
ME845-VRK	Versa-Fill Bypass Complete Valve Repair Kit
ME840CK	1-1/4" - 2" Universal Classic Flow Bypass Valve Complete Repair Kit
ME840K	1-1/4" - 2" Universal High Flow Bypass Valve Complete Repair Kit
ME840-16-108-40	Bypass Valve Spring 20-40 PSI - Blue
ME840-16-108-70	Bypass Valve Spring 40-70 PSI - Green
ME840-16-108-90	Bypass Valve Spring 70-90 PSI - Yellow
ME840-16-108-125	Bypass Valve Spring 90-125 PSI - Orange
ME840-16-108-150	Bypass Valve Spring 125-150 PSI - Red



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