

High Flow Bypass Valves for Dispensing Applications

Application:

Intended for use in small cylinder filling applications as a bypass and primer valve for turbine style dispensing pumps. These bypass valves have a special “check ball” mechanism that helps eliminate vapor from liquid while keeping the pump flooded and properly primed. The priming and vapor elimination feature reduces pump wear and promotes seal longevity.

Features:

- All ductile iron body and bonnet
- Large range of set pressure springs
- Two 1/4" FNPT plugged auxiliary pressure ports
- Stainless steel main valve poppet
- Heavy duty protective stem cap
- Available in 3/4" & 1" FNPT versions
- Factory set at 125 PSI
- Durable powder coat finish
- Single threaded bonnet
- Drop-in replacement with industry standard envelope.



ME840-6/150

Part No.	Description	Standard Spring Range
ME840-6-150	3/4" FNPT High Flow Bypass Valve	50-150 PSI
ME840-8-150	1" FNPT High Flow Bypass Valve	50-150 PSI
Parts & Accessories		
Part No.	Description	
ME840-6K	3/4" - 1" Complete Bypass Repair Kit - Less Spring	
ME840-6SRK	3/4" - 1" Bypass Seal Repair Kit	
ME840-8-108-60	3/4" - 1" Bypass Valve Spring 25-60 PSI	
ME840-8-108-150	3/4" - 1" Bypass Valve Spring 50-150 PSI	
ME840-8-108-225	3/4" - 1" Bypass Valve Spring 100-225 PSI	
ME870-24-06	3/4" - 1" Bypass Valve Replacement Bonnet O-Ring	

Flow Range

Minimum and Maximum Flow Rating* - GPM (Water) @						
Part No.	Min. Flow (GPM/Water)			Max. Flow (GPM/Water)		
	125 PSI	150 PSI	200 PSI	125 PSI	150 PSI	200 PSI
ME840-6-150	30	58	94	97	109	129
ME840-8-150	75	111	170	164	182	211



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