The New Generation
Graymills Multi-Stage Pump

The MVP Centrifugal Pump for High Pressure Coolant Delivery

Pressures up to 326 PSI; TDH up to 755 ft.

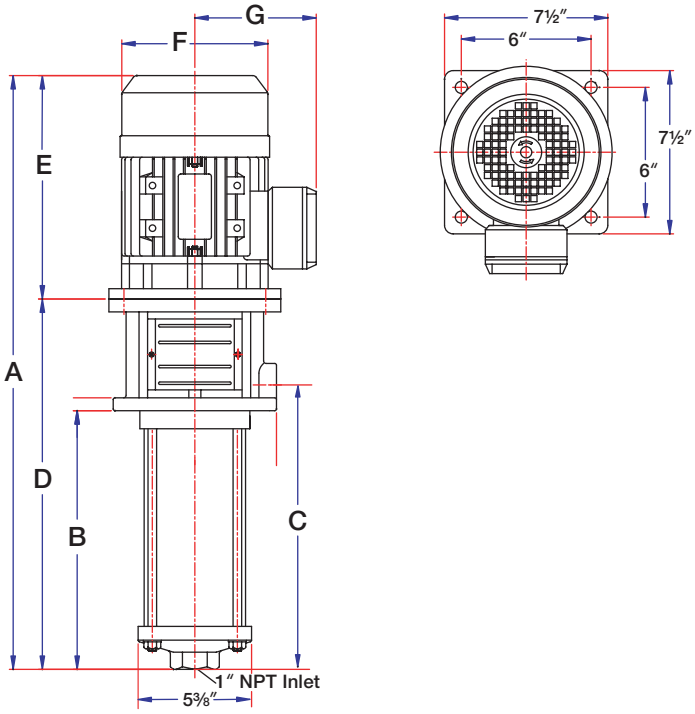
Variable flow rates to 28 GPM

- The MVP pump, available in 4, 6, 8, 10, 12, 16, and 20 stages, is designed to meet coolant delivery requirements where high pressure is needed to accomplish chip removal and heat dissipation.
- Beyond external chip removal, the high-pressure MVP is specifically designed for cutting tools which have provisions for coolant to be fed directly through the tool body. By providing pulsation-free coolant delivery along with higher working pressures, these pumps are a perfect match for these "Through-the-Tool" applications and can contribute substantially to greater feeds and speeds allowing better results and higher productivity.
- Whether you have indexable, carbide-insert end mills, drills, boring bars,reamers, solid end mills and drills with feed-through capacity, greater cutting feeds and speeds are possible with the MVP, particularly for Inside Diameter work. Outside Diameter work done by end mills can also benefit from the MVPs performance.

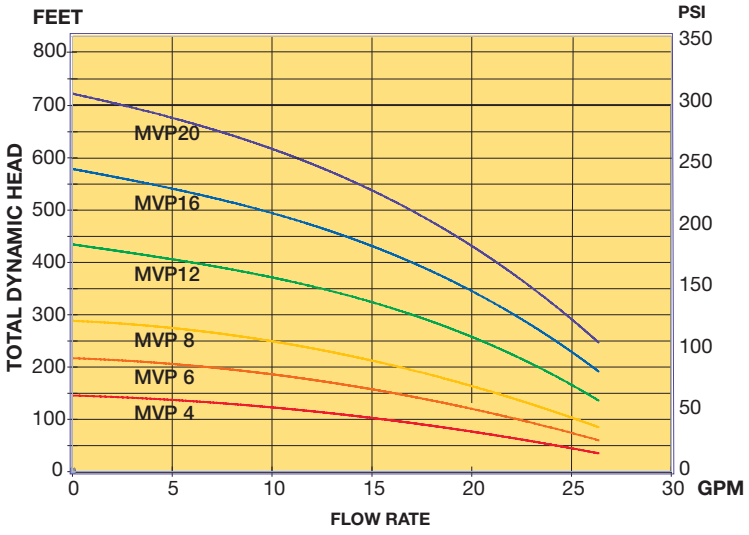
Graymills www.graymills.com

MVP Multi-Stage Pumps

MVP pumps, available in 4, 6, 8, 12, 16 and 20 stages, are designed to meet coolant delivery requirements where high pressure is needed to accomplish chip removal in addition to dissipating heat.



Pump	Size	A	B	C	D	E	F	G
MVP4	1 HP	20¾"	5½"	6¾"	10¾"	10"	6¼"	5⅜"
MVP6	2 HP	22½"	7⅛"	8¼"	12¼"	10¼"	6¾"	5¾"
MVP8	2 HP	24"	8¾"	9⅞"	13¾"	10¼"	6¾"	5¾"
MVP12	3 HP	28⅜"	11⅞"	13"	17"	11½"	6¾"	5¾"
MVP16	4 HP	32¼"	15"	16⅛"	20"	12¼"	7⅝"	6⅜"
MVP20	5 HP	35½"	18⅛"	19¼"	23¼"	12¼"	7⅝"	6⅜"



MVP Series Specifications

The MVP's steady, pulsation-free coolant flow permits greatly increased feed rates while preventing thermal shock to cutting tools.

The multi-stage construction offers the ability to cost-effectively match the pump to your application for pressures up to 326 psi and flows up to 28 gpm.

Stainless steel impellers, housing, shaft and intake provide corrosion resistance and robust construction for long service life. A 1" NPT discharge simplifies plumbing, and the ability to mount the pump both horizontally and vertically without loss of performance, making the MVP the most versatile high pressure pump on the marketplace.

The cast iron frame and coupling provide a rugged interface between motor and shaft, resulting in a solid connection that eliminates vibration.

All Models: 1" NPT horizontal discharge, 230v/460

MVP4 1HP, 3450 RPM, Inlet pressure 100 PSI Maximum. Maximum Viscosity 500 SSU

MVP6 2 HP, 3450 RPM, Inlet pressure 100 PSI Maximum, Maximum Viscosity 500 SSU

MVP8 2HP, 3450 RPM, Inlet Pressure 100 PSI Maximum, Maximum Viscosity 500 SSU

MVP12 3 HP 3450 RPM, Inlet Pressure 100 PSI Maximum, Maximum Viscosity 500 SSU

MVP16 4 HP 3450 RPM, Inlet Pressure 100 PSI Maximum, Maximum Viscosity 500 SSU

MVP20 5 HP 3450 RPM, Inlet Pressure 100 PSI Maximum, Maximum Viscosity 500 SSU

Materials:

Discharge Head and Frame:	Cast iron
Shaft:	Stainless Steel
Bowl:	Stainless Steel
Impeller/Diffuser:	Stainless Steel

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