



MANIFOLD PUMPS

TRUSTED PERFORMANCE: MANUAL POWER

BENEFITS

REDUCE YOUR EXPENSES

Mounts directly into your manifold block, eliminating the need for extra components. With fewer parts your system has fewer potential leak points and improved overall reliability.

POWER YOU CAN RELY ON

Eliminate the need for a separate valve body while maintaining robust hydraulic power. When automated systems fail, manifold-mounted hand pumps keep your systems running. Their compact, drop-in design simplifies the system and ensures consistent operation when it matters most.

OPERATE WITH CONFIDENCE

The unit functions as a primary or emergency backup pump, providing manual control to keep your system safe and reliable.

HOW THEY WORK

Each pump assembly is a self-contained unit that integrates into the manifold block plumbed for your application. This design delivers hydraulic pressure directly to your system with no separate pump or extra lines required. Your manifold serves as a control panel, allowing the pump to manually regulate hydraulic output for optimal performance.

STREAMLINED SYSTEM

Consolidates fluid lines into one unit without sacrificing hydraulic performance.



WHY CHOOSE STAR

U.S. MANUFACTURED: Our pumps are manufactured at our Illinois plant, protecting you from the instability and tariffs of offshore products.

QUALITY PROTECTING YOUR BRAND: Engineered to provide your application manual power to prevent downtime and protect the reputation your brand depends on.

CUSTOMER FIRST, ALWAYS: Delivering solutions with personalized service, we combine the capabilities of a large supplier with the care and attention of a trusted partner.

POWER YOUR SYSTEM WITH CONFIDENCE

Manifold pumps keep your system running, boosting productivity and protecting your brand.

Contact us to integrate this competitive advantage into your process!

THE ALKON CORPORATION
FAMILY OF BRANDS



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DIMENSIONAL INFORMATION

Consult factory for port or standard manifold block details.

PUMP SPECIFICATIONS

AVAILABLE OPERATING PRESSURE: 1,500 PSI to 5,000 PSI

VOLUME PER LEVER CYCLE: .38 in³ to 1.20 in³

LEVER LENGTH: 24"

PUMP LEVER POSITION: Rotates 360°

FINISH: Aluminum, Zinc Plated Steel, or Stainless Steel

PART NUMBER INFORMATION

MP	CAVITY SIZE	PISTON SIZE	SEAL TYPE	PUMP MATERIAL TYPE	OPTIONAL MANIFOLD BLOCK	OPTIONAL PORT TYPE
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CAVITY SIZE

Manifold Cavity Code	Cavity Details	Body Thread
10	Size 10 2-Port Cartridge Cavity	.875-14 UNF-2A
16	Size 16 2-Port Cartridge Cavity	1.312-12 UN-2A

PISTON SIZE

Piston Size Code	Piston Dia.	Pressure PSI	Volume Cu.In.
01	.625	5000	.38
02	.750	2800	.55
03	1.125	1500	1.20

SEAL TYPE

Seal Code	Seal Material	Notes
N	Nitrile/Polyurethane	Standard
V	Fluorocarbon	Optional
E	Ethylene-Propylene	Optional

PUMP MATERIAL TYPE

Pump Material Code	Pump Material
AC	Aluminum / Carbon Steel
SC	Stainless Steel ¹ / Carbon steel
SS	Stainless Steel 100%
SCB	Stainless Steel ¹ / Carbon Steel / Bronze Piston ²
SSB	Stainless Steel / Bronze Piston ²

¹ Wetted Parts Only

² Bronze Piston is recommended for water or very low viscosity fluid service.

OPTIONAL MANIFOLD BLOCK (OMIT BLOCK & PORT FOR PUMP ONLY)

Manifold Block Code	Manifold Block Size / Material
10A	10 / Aluminum
16A	16 / Aluminum
10C	10 / Carbon Steel
16C	16 / Carbon Steel
10S	10 / Stainless Steel
16S	16 / Stainless Steel

OPTIONAL PORT TYPE (OMIT BLOCK & PORT FOR PUMP ONLY)

Port Code	Port Size Inlet & Outlet
02	1/4 - 18 NPTF
03	3/8 - 18 NPTF
06	No. 6 SAE
08	No. 8 SAE

PART NUMBER EXAMPLE:
MP10-01-V-SS-10A-06

Cavity Size is 10 for Size 10 2-Port Cartridge Cavity

Piston Size is 01 for a dia. of .625, pressure of 5000 PSI, and volume of .38 in³

Seal Type is V for the optional Fluorocarbon

Pump Material Type is SS for Stainless Steel 100%

Optional Manifold Block is 10A for 10 size / Aluminum material

Optional Port Type is 06 for No. 6 SAE

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