

General Description

Series 914 hand pumps are double-acting providing primary, backup, or emergency hydraulic power. The hand pumps can be utilized anywhere; at any time, that hydraulic power is required, since the hand pump does not require an electrical or mechanical power source.

Features

- Integral resilient seated valves prevent backflow during operation.

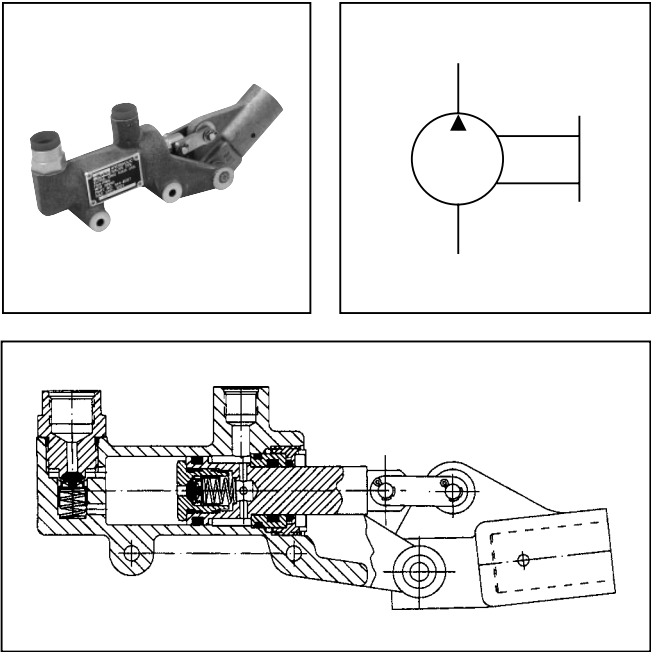
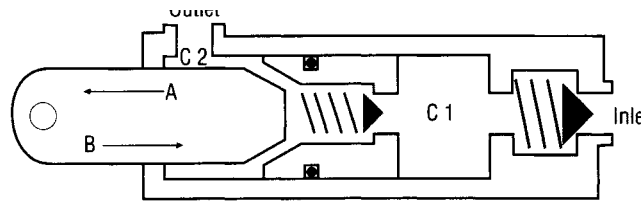
Operation

Piston Stroke — Direction A

Chamber C1 draws in fluid through INLET while chamber C2 discharges fluid through OUTLET.

Piston Stroke — Direction B

Volume in chamber C1 is transferred to chamber C2. Since chamber C2 holds half the volume of chamber C1, half of the fluid in chamber C2 is discharged through the OUTLET port.



Specifications

Service App.	Hydraulic oil	
Pressure Range	Working:	0 - 103.5 Bar (0 - 1500 PSI) [103.5 Bar (1500 PSI) based on 60 lb. handle load at 22 1/2 in.]
	Proof:	155.3 Bar (2250 PSI)
	Burst:	258.8 Bar (3750 SPI)
Sizes	IST	8 (inlet)
	IST	6 (outlet)
Ports	IST	Internal straight threads, AND10050
Type	Double-acting	
Mounting	Holes (2) through, 6.5 mm (0.257 in.) dia.	
Displacement	20.5 to 24.6 cc (1.25 to 1.50 cu. in.) per cycle (2 strokes)	
Material	Body	Aluminum alloy
	Piston	Steel
	Poppets	303 Stainless steel
	Springs	AMS5688 Stainless steel
	Molded seals	Synthetic rubber
	Back-up rings	PTFE
	Scraper	Brass
	O-rings	Synthetic rubber
Operating Arc	60° maximum	
Handle	Not furnished. Available on special order	
Temperature Range	-54°C to +121°C (-65°F to +250°F)	

Ordering Information

914	-8	D	27
Catalog Number	Size and Type Ports	Materials	O-Ring Code
914 Hand Pump to 1500 P.S.I.	8 IST Inlet 6 IST Outlet	D Aluminum Alloy	27 MIL-P-25732

Weight: 1.0 kg (2.3 lbs.)

Dimensions

Dimensions are shown in inches.

