

STA-101-4M - Air Pump



3 Position, 4-way Valve Models

- Versatility – the 3 position, 4 way valve installation allows this pump to handle a wide variety of applications.
- Balance of toughness and weight - A lightweight, compact design made using durable heavy-duty anodized aluminum provides toughness while reducing overall weight.
- The 3 position 4 way valve uses a tandem center design.

These versatile air pumps convert 80-140 psi of air pressure into 10,000 psi of hydraulic pressure for a variety of applications. All models feature an internal relief valve to protect system components. When an air supply is available at your job site, it is quick and easy to use this air pump and it reduces operator fatigue over the use of a manual pump.

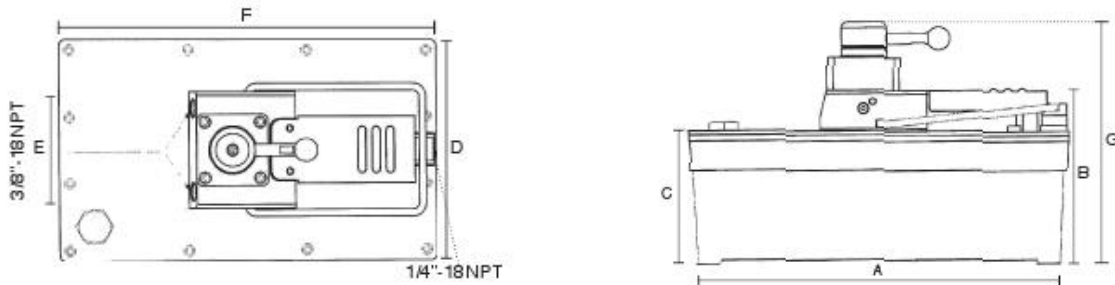
STA-101-4M

- The 3 position, 4 way valve utilizes a tandem center design to allow air purging of the pump to occur when the hydraulic actuator maintains a load while the valve is in the neutral position.
- Use of a pressure release valve, hydraulic pick-up filter, hydraulic output filter and an air inlet filter protect the pump and hydraulic components from damage.
- It is highly recommended that an air filter, regulator and lubricator are used in conjunction with these air powered products (see Fig. 1)
- These 4M series pumps are available with a heavy-duty, anodized aluminum reservoir or a lower cost plastic reservoir. These reservoir models are available in different oil capacity sizes to better meet your specific application. Reservoirs are interchangeable.



STA-101-4M With 4 way valve

Model Number	Actuator Style	Reservoir Type	Reservoir Color	Oil Capacity	Pressure Rating	Output Flow Rate		Air Pressure	Oil Port (in)	Ship Weight
						No Load	Load			
STA-101-4M	Valve	Aluminum	Red	98	10,000	77	13	80-140	3/8" NTP	15
STA-101P-4M	Valve	Plastic	White	98	10,000	77	13	80-140	3/8" NTP	15
STA-102-4M	Valve	Aluminum	Red	183	10,000	77	13	80-140	3/8" NTP	21
STA-103-4M	Valve	Aluminum	Red	305	10,000	77	13	80-140	3/8" NTP	34
STA-103P-4M	Valve	Plastic	White	305	10,000	77	13	80-140	3/8" NTP	23
STA-104P-4M	Valve	Plastic	White	454	10,000	77	13	80-140	3/8" NTP	57



STA-101-4M Air Pump

Model Number	Dimensions (in.)						
	A	B	C	D	E	F	G
STA-101	9.53	6.04	4.53	5.13	2.38	10.13	8.38
STA-101P	9.53	6.04	4.53	5.13	2.38	10.13	8.38
STA-102	12.00	6.29	4.78	6.00	2.38	12.13	8.63
STA-103	12.00	6.29	4.78	8.13	2.38	12.13	8.63
STA-103P	12.00	6.29	4.78	8.13	2.38	12.13	8.63
STA-104P	10.82	8.63	7.11	9.23	2.38	12.00	10.96

Typical System Connections

Basic double-acting cylinder use:

- Hose (2) + couplers (2) if needed + cylinder
- Gauge adapter + gauge + hoses (2) + couplers (2) if needed + cylinder

Accessory Part Numbers:

HSH-0375-length:	(1.5, 2, 3, 6, 8 or 18 feet) – Hydraulic hoses
FIT-CPL-0375:	3/8" NPT Coupler
FIT-ELB45-0375:	3/8", 45 degree Elbow
FIT-ADP-2T-0375:	3/8" Double tee adapter
FIT-HEX-MXM-0375:	3/8" Nipple
GAGE-ADP-0250X0375:	Gauge adapter
10KGAGE2500:	2 1/2" 10,000 psi Gauge
FRL-xxxx:	Air Filter, regulator, lubricator (xxxx = sizes from 0250 to 1000) for (1/4", 3/8", 1/2" or 1" port)
FRL-SVP-0250:	1/4" shut-off valve and oil-free port