

# Thermo Scientific Masterflex® I/P®

## Air-Powered Pumps Masterflex® I/P Air-Powered



Air-powered pump 960-1020 includes a High-Performance pump head



Air-powered drive 950-1020 includes an Easy-Load® pump head



- Deliver flow rates from 0.12 to 17 LPM (0.03 to 4.5 GPM)
- Ideal for hazardous-duty locations
- No electric power required—use where electricity is unsafe or impractical
- Intrinsically safe when properly grounded
- Wide flow control range (10:1 turndown)
- Compact, portable console package
- Reversible motor allows pumping in either direction or purging when changing tubing
- Powerful, yet cool operation
- Smooth-starting, low-maintenance motor



Motor rpm	Masterflex® I/P precision tubing sizes			Masterflex® I/P high-performance precision tubing sizes*		
	I/P 26	I/P 73	I/P 82	I/P 70	I/P 88	I/P 89
10 to 430*, 10 to 650	0.12 to 4.0 (0.03 to 1.0)	0.2 to 8 (0.05 to 2.1)	0.4 to 13 (0.01 to 3.5)	0.26 to 8.0 (0.07 to 2.1)	0.40 to 13.0 (0.11 to 3.4)	0.52 to 17 (0.14 to 4.5)

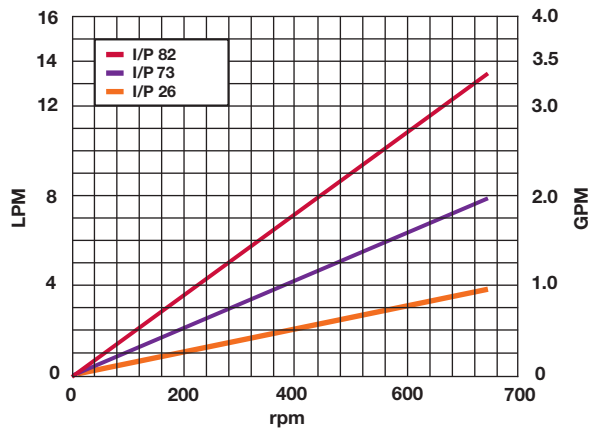
\*Use High-performance precision tubing with High-Performance pump head only.



Catalog number	Air-powered pumps	
	950-1020	960-1020
Pump head type	Easy-Load®	High-Performance
Number of heads accepted	2	1
rpm	100 to 650	
Voltage (50/60 Hz)	N/A	
Motor type	Rotary vane air motor	
Speed control type	Via FRL (filter regulator, lubricator) included	
Speed regulation (repeatability)	±10%	
Operating temperature	1 to 40°C (34 to 104°F)	
Storage temperature	-10 to 60°C (14 to 149°F)	
IP rating	IP56	
Agency approvals	CE	
Dimensions (L x W x H)	28.2 x 21.6 x 22.9 cm (11 1/8" x 8 1/2" x 9")	
Shipping weight	11.9 kg (26 lb)	16.6 kg (28 lb)

†Motor is UL-listed for class I, Group D hazardous locations.

**Flow Curves**  
I/P Easy-Load® Pump



**Flow Curves**  
I/P High-Performance Pump

