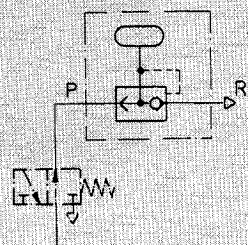


Pneumatic Ejector

Type AWP-50-B
AWP-70-B

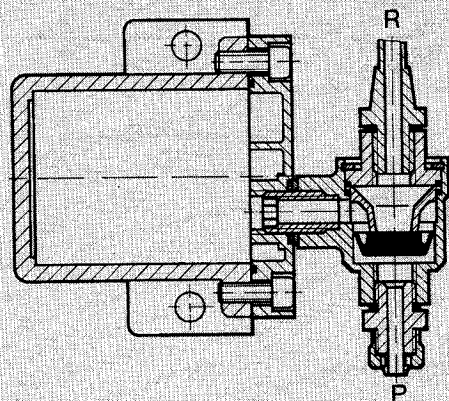


Pneumatic ejectors are used to eject workpieces from fixtures, conveyor belts, sorters and other devices or for chip removal.

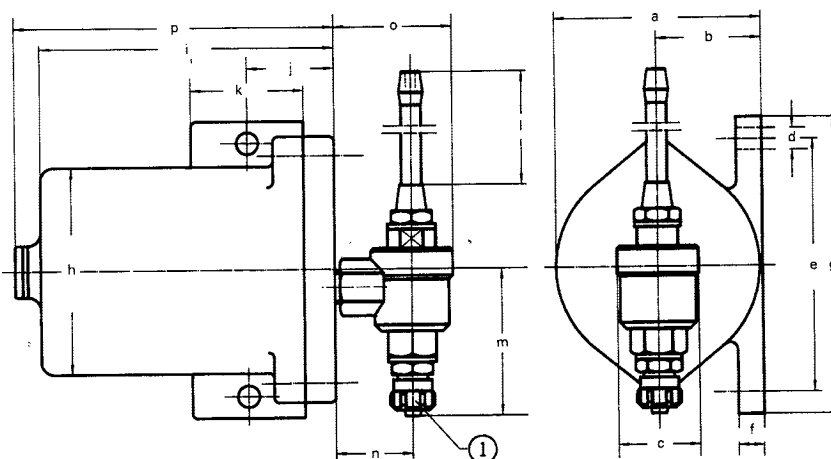
Ejectors are composed of various size accumulators with quick exhaust valves attached. The control element is a 3 way, 2 position directional control valve.

Compressed air flows through the 3 way valve to connection P of the quick exhaust valve, filling the accumulator. Flow to the accumulator is interrupted by actuating the 3 way valve for a brief period of time (45 to 100 ms depending on the pressure). Accumulated compressed air will then exhaust through connection R of the quick exhaust valve. The compressed air surge is conducted through a flexible metal tube 15.75 in / 400 mm long with a rated inner diameter of 0.24 in / 6 mm.

Intensity of pressure surge can be adjusted by a pressure regulator.



Type AWP-50-B
AWP-70-B
(dimensions in parentheses)



Dimensions

a	2.36 (3.19) in / 60 (81) mm	i	3.19 (4.53) in / 81 (115) mm
b	1.18 (1.61) in / 30 (41) mm	j	1.18 (1.34) in / 30 (34) mm
c	1.26 in / 32 mm	k	1.42 (1.73) in / 36 (44) mm
d	0.33 in / 8.5 mm	l	15.75 in / 400 mm
e	2.95 (3.86) in / 75 (98) mm	m	2.24 in / 57 mm
f	0.24 (0.39) in / 6 (10) mm	n	1.18 in / 30 mm
g	3.54 (4.53) in / 90 (115) mm	o	1.81 in / 46 mm
h	2.32 in / 59 mm	p	4.92 in / (125) mm

① Compression Fitting for PL-6, PP-6, PU-6 plastic tubing (G 1/4 ISO)

After loosening the screws, the air accumulator cover can be rotated 180° for repositioning of the quick-exhaust valve and ejection tube.

Type	Accumulator volume*				Distance between valve and air pulse ejector	Max. number of pulses/min			
	30 psi / 2 bar	60 psi / 4 bar	90 psi / 6 bar	120 psi / 8 bar		30 psi / 2 bar	60 psi / 4 bar	90 psi / 6 bar	120 psi / 8 bar
AWP-50	24.4 in ³ / 0.4 L	36.6 in ³ / 0.6 L	54.9 in ³ / 0.9 L	67.1 in ³ / 1.1 L	0	460	460	480	480
					19.7 in / 0.5 mm	435	440	430	430
					39 in / 1 mm	415	380	360	360
AWP-70	67.1 in ³ / 1.1 L	109.8 in ³ / 1.8 L	152.5 in ³ / 2.5 L	201.3 in ³ / 3.3 L	0	156	156	163	163
					19.7 in / 0.5 mm	148	149	146	146
					39 in / 1 mm	141	129	123	123

* Non-compressed air in normal condition

Order Number	10193 AWP-50-B	10194 AWP-70-B
Medium	Compressed air (filtered, lubricated or unlubricated)	
Mounting	Holes through housing	
Connection	Screw connector for PL-6, PP-6, PU-6 plastic tubing	
Pressure Range*	7 to 150 psi / 0.5 to 10 bar	
Materials	Housing: diecast Al, painted. Exhaust hose: steel. Seals: Buna N	
Weight	1.890 lb / 0.860 kg	2.350 lb / 1.070 kg

* 14 to 140°F / -10 to 60°C