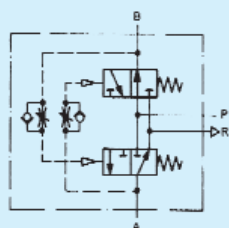
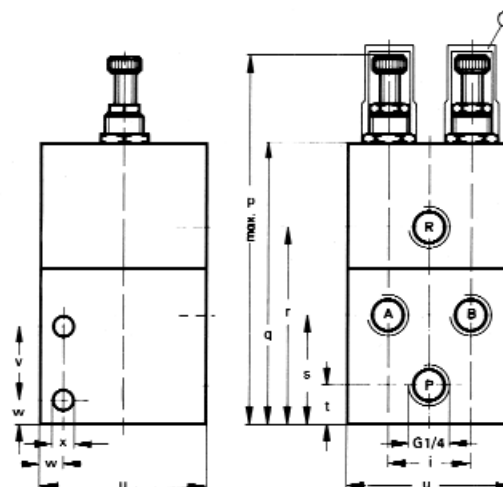
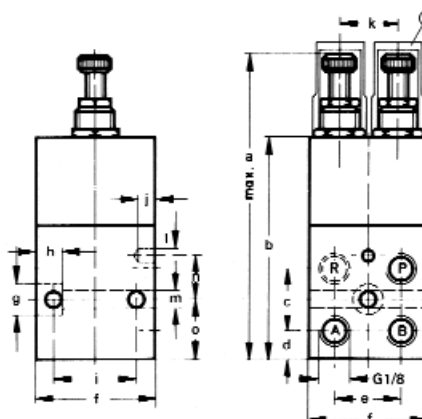


### Type VLG-4-1/8 VLG-4-1/4



P = Supply  
A, B = Outlet  
R = Exhaust

The variable pulse oscillator (multi-vibrator) is used to generate adjustable duration signals in control systems. The duration and frequency of both outputs are independently adjustable. It is used with diaphragm-type cylinders, single-acting or even double-acting cylinders where rapid, brisk motions of the piston rod are needed to shake vibrating conveyors, to strike exhaust filters and hoppers, or to actuate small vibrating screens.



#### Dimensions

- a 3.58 in / 91 mm
- b 2.60 in / 66 mm
- c 0.73 in / 18.5 mm
- d 0.33 in / 8.5 mm
- e 0.79 in / 20 mm
- f 1.42 in / 36 mm
- g 0.37 in / 9.4 mm
- h 0.31 in / 8 mm
- i 0.98 in / 25 mm
- j 0.19 in / 5 mm
- k 0.69 in / 17.5 mm
- l 0.16 in / 4.1 mm
- m 0.21 in / 5.3 mm
- n 0.51 in / 13 mm
- o 0.71 in / 18 mm
- p 4.53 in / 115 mm
- q 3.31 in / 84 mm
- r 2.32 in / 59 mm
- s 1.28 in / 32.5 mm
- t 0.45 in / 11.5 mm
- u 1.97 in / 50 mm
- v 0.87 in / 22 mm
- w 0.28 in / 7 mm
- x 0.26 in / 6.5 mm

① Protective cap, Type GRK-1/8 2015, is included.

#### Maximum frequency of piston motion at 90 psi / 6 bar.

Cylinder (piston diameter)	Max stroke	Load	Frequency	
			VLG-4-1/8	VLG-4-1/4
1/2 in [12 mm]	1-1/2 in [40 mm]	0.23 to 0.25 lbf [1 to 10 N]	0.5 to 7 Hz	
5/8 in, 1-3/8 in [16 mm, 35 mm]	2-3/4 in [70 mm]	0.23 to 0.25 lbf [1 to 10 N]	0.5 to 4 Hz	

High frequencies are possible with incomplete strokes. These frequencies depend on pressure and load.

Order Number	4025 VLG-4-1/8	4026 VLG-4-1/4
Medium	Compressed air (filtered, lubricated or unlubricated)	
Mounting	Thru-holes in housing	
Connection	G1/8 ISO	G1/4 ISO
Orifice Size	0.14 in [3.5 mm]	0.28 in [7 mm]
Cv Factor (P → A)	0.12 Cv [120 l/min]	0.60 Cv [600 l/min]
Pressure Range *	60 to 150 psi [4 to 10 bar]	
Design	Seat valve	
Materials	Housing: Al, blue anodized; Seals: Buna N	
Weight	0.595 lb [0.270 kg]	1.389 lb [0.630 kg]

\* 14 to 140° F / -10 to 60° C