

Detects a condition of hydraulic pressure (ON or OFF) in the clamp circuit. If you install a limit switch, you can have an interlock protection device (such as stopping the machining) against pressure OFF condition.

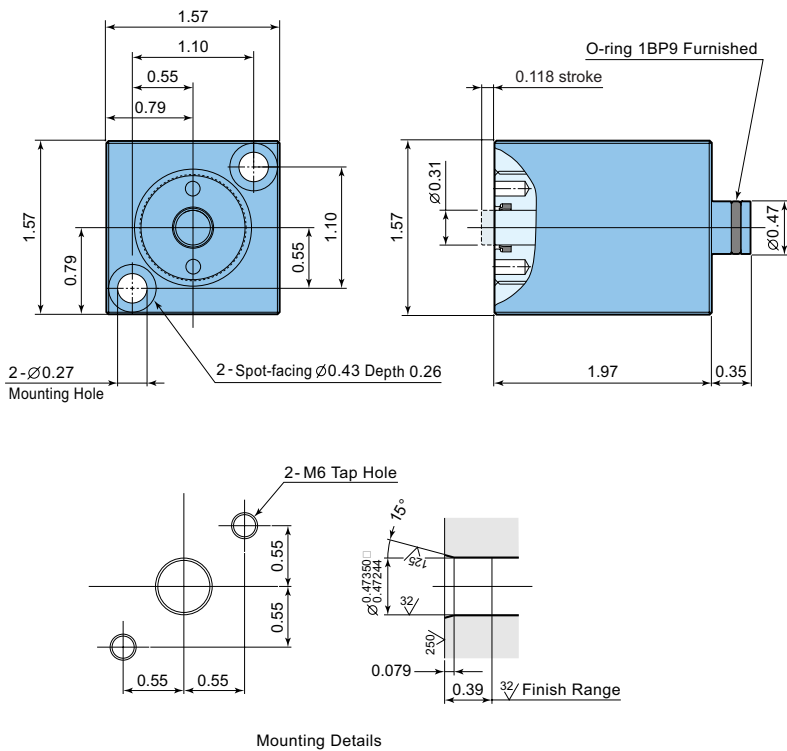
Model	WVL-M- [Set Pressure ※]	WVL-H- [Set Pressure ※]
Type of Mounting	Plug Type	
Set Pressure Range	1000 ~ 2000 psi (±40 psi)	2000 ~ 3000 psi (±70 psi)
Plunger Stroke	0.118 in	
Plunger Area	0.0304 in ²	0.0195 in ²
Cylinder Capacity	0.0036 in ³	0.0023 in ³
Mass	1.3 lb	

Proof Pressure : 4500 psi Ambient Temperature : 32~158°F Fluid Used : ISO-VG-32 equivalent normal operation oil

※ Value of the pressure for action. Specify when ordering. Example : model WVL-H-2000 (Set Pressure is 2000 psi.)

There is a type available that fluorine rubber (Viton) is adopted at the sealing portions for protection against chlorine coolant. (Symbol V. Example : model WVL-□-□-V, This is not a heat proof specification.)

model **WVL-□-□ Plug Type** ※Built-in Filter not included



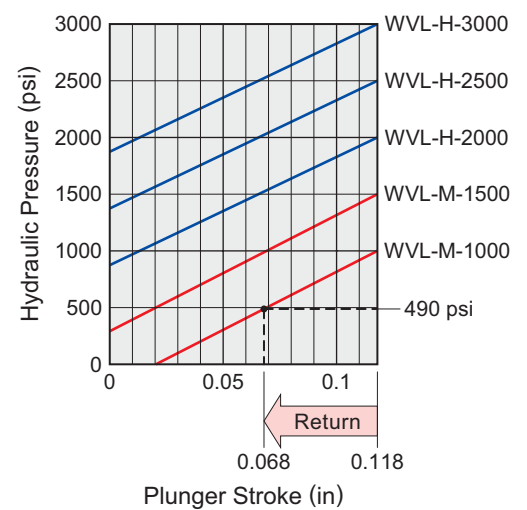
※Mounting bolt is not furnished.

PERFORMANCE DIAGRAM

When hydraulic pressure goes down to the set pressure, the plunger starts returning. The relation between plunger stroke (return length) and the pressure decrease stays constant as under.

WVL-M : 10240 psi/in ± 10% (0.0000977 in/psi ± 10%)

WVL-H : 9540 psi/in ± 10% (0.000105 in/psi ± 10%)



For example, in case of WVL-M-1000 (set pressure is 1000 psi), the plunger starts returning at 1000 psi. □
The hydraulic pressure P at 0.05 inch stroke is : □
 $P = 1000 - 10240 \times 0.05 = 490$ psi