

# PASCAL CONTROL UNIT

model **HCS**

Pascal pump, non-leak valve and relief valve are compactly integrated into this unit. Its compact design can fit in limited space of the machine and it is suitable for a small molding machine. Power source is the factory air.

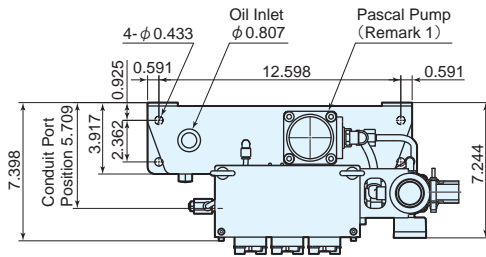


## SPECIFICATIONS (HCS-D-Pump-Circuit symbol-Option symbol|N: NPT port)

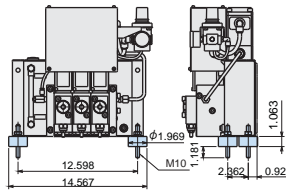
MODEL	HCS-D-2SSS-N	HCS-D-3CSS-N
Pascal Pump model	HPH6308	HPH6310
Discharge pressure	3553 psi	2262 psi
Driving air pressure	68 psi	68 psi
Discharge volume at no load	85 in <sup>3</sup> /min	128 in <sup>3</sup> /min
Pressure switch set pressure (increase)	2132 psi	1276 psi
Orifice area	P→A	0.01953 in <sup>2</sup>
	A→R	0.0456 in <sup>2</sup>
Tank volume	HIGH-LEVEL 226 in <sup>3</sup> / LOW-LEVEL 73 in <sup>3</sup>	
Clamp application(example)	TYA 10x8 units	TME 2.5x8 units

- Fluid used : ISO-VG32 equivalent mineral oil
- Working temperature range : 41~122F
- Air consumption rate : Max. 14.1 CFM.
- Electric power voltage : DC24V

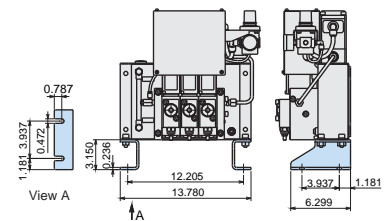
## DIMENSIONS



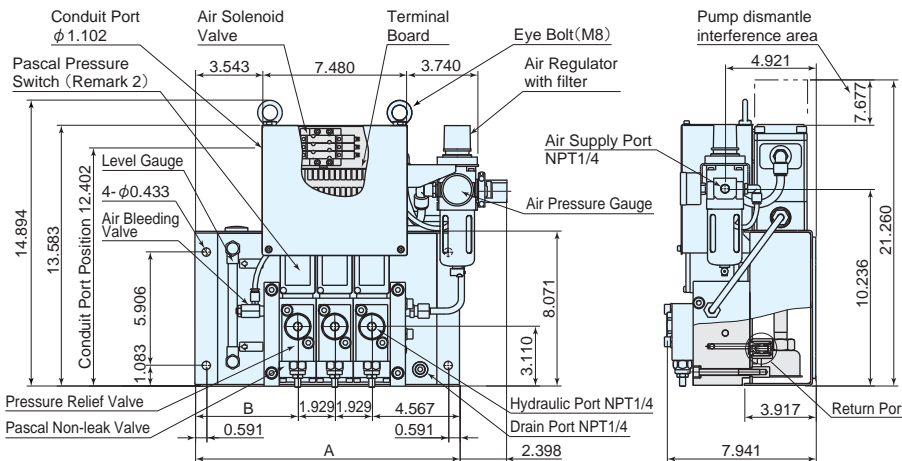
Antivibration Rubber (Option)  
model ZPS-B5



Stand (Option)  
model ZPS-S0



Types of stand other than shown above are available on request.



Number of hydraulic circuit	A (in)	B (in)	Weight (lb)
1	13.780	9.213	39.7
2	13.780	7.283	48.5
3	13.780	5.354	57.3
4	15.748	5.394	66.1

Remark 1 : Model HCS is equipped with only one pump. In case requiring two pump, choose model HCM.

Remark 2 : In case requiring the signal for abnormal high pressure detection, choose model HCM.

Remark 3 : In case of 5 or more hydraulic circuits, choose model HCM.

Drawing shown here is for 1 to 3 hydraulic circuits. For 4 circuits application, ask us for details.

Hydraulic circuit specifications		Symbol
C port with inline filter		C
C port with pressure gauge for incoming pressure		Q
Pressure gauge for incoming pressure		E
C port with pressure switch for incoming pressure		H
Clamp circuit	Single solenoid (D circuit)	D
	Double solenoid (L circuit)	L
	D circuit with relief valve for excessive high pressure	X
	L circuit with relief valve for excessive high pressure	S

Option	Symbol
Oil pressure gauge for each circuit	U

For the detail of hydraulic circuit and options, ask us separately.