



HCS
Air-driven hydraulic unit

Model		HCS-D-H2□-□	HCS-D-H3□-□
Pump quantity		1 unit	1 unit
Valve switching system		Pilot air	
Discharge pressure	MPa	24.5	4
Driving air pressure	MPa	0.47	4
Discharge volume (at no load)	L/min	1.3	93
Oil tank capacity	L	HIGH LEVEL : 3.5 / LOW-LEVEL : 1.5	
Set pressure of pressure switch	MPa	14.7 (INC.)	8.8 (INC.)
Set pressure of relief valve	MPa	27.9	17.6
Air consumption rate	Nm ³ /min	Max. 0.4	Max. 0.4
Operating temperature	°C	0 ~ 50°C (No freezing)	
Applications (example)	Clamp model x Quantity	TYA100 x 8 unit	TME025 x 8 unit
	HCS model	HCS-D-H2SSS	HCS-D-H3CSS

- Fluid used: General mineral based hydraulic oil (ISO-VG32 equivalent)
- It does not correspond to [automatic slider / air circuit for centering cylinder](#), and [digital pressure gauge](#).



HCM
Air-driven hydraulic unit

Model		HCMD-H2□-□	HCMD-H22□-□	HCMD-H3□-□	HCMD-H33□-□
Pump quantity		1 unit	2 units	1 unit	2 units
Valve switching system		Pilot air			
Discharge pressure	MPa	24.5		15.6	
Driving air pressure	MPa	0.47		0.47	
Discharge volume (at no load)	L/min	1.3	2.6	2	4
Oil tank capacity	L	HIGH LEVEL : 5.4 / LOW-LEVEL : 2.2			
Set pressure of pressure switch	MPa	14.7 (INC.) / 30.8 (at excessively high pressure)		8.8 (INC.) / 19.6 (at excessively high pressure)	
Set pressure of relief valve	MPa	27.9		17.6	
Air consumption rate	Nm ³ /min	Max. 0.4	Max. 0.8	Max. 0.4	Max. 0.8
Operating temperature	°C	0 ~ 50°C (No freezing)			
Applications (example)	Clamp model x Quantity	TYA100 x 8 units	TYA160 x 8 units	TME025 x 8 units	TME040 x 8 units
		TYC100 x 8 units	TYC160 x 8 units		
	HCM model	HCMD-H2SSS	HCMD-H22SSSS	HCMD-H3CSS	HCMD-H33CSS

- Fluid used: General mineral based hydraulic oil (ISO-VG32 equivalent)



HCP
Air-driven hydraulic unit

Model		HCPD-H2□-□	HCPD-H22□-□	HPD-H3□-□	HCPD-H33□-□
Pump quantity		1 unit	2 units	1 unit	2 units
Valve switching system		Pilot air			
Discharge pressure	MPa	24.5		15.6	
Driving air pressure	MPa	0.47		0.47	
Discharge volume (at no load)	L/min	1.3	2.6	2	4
Oil tank capacity	L	HIGH LEVEL : 5.4 / LOW-LEVEL : 2.2			
Set pressure of pressure switch	MPa	14.7 (INC.)		8.8 (INC.)	
Set pressure of relief valve	MPa	27.9		17.6	
Air consumption rate	Nm ³ /min	Max. 0.4	Max. 0.8	Max. 0.4	Max. 0.8
Operating temperature	°C	0 ~ 50°C (No freezing)			
Applications (example)	Clamp model x Quantity	TYA100 x 8 units	TYA160 x 8 units	TME025 x 8 units	TME040 x 8 units
		TYC100 x 8 units	TYC160 x 8 units		
	HCP model	HCPD-H2SSS	HCPD-H22SSSS	HPD-H3CSS	HCPD-H33CSS

- Fluid used: General mineral based hydraulic oil (ISO-VG32 equivalent)
- It does not correspond to [digital pressure gauge](#).



VSE
Hydraulic selector
valve

Model		VSED-H3C□K
Working hydraulic pressure (Hydraulic pressure source : IMM)	MPa	13.7
Operating temperature	°C	0 ~ 50 (No freezing)

- Fluid used: General mineral based hydraulic oil (ISO-VG32 equivalent)
- The working hydraulic pressure required for TME is 15.6 MPa.
- In case of utilizing Pascal pump in the hydraulic pressure source, select non lea-leak valve VSB



VSL
Hydraulic selector
valve

Model		VSL3D-LR-CK
Working hydraulic pressure (Hydraulic pressure source : IMM)	MPa	13.7
Operating temperature	°C	0 ~ 50 (No freezing)
Orifice area	mm ²	Discharge : 78.5 / Return : 55

- Fluid used: General mineral based hydraulic oil (ISO-VG32 equivalent)
- The working hydraulic pressure required for TME is 15.6 MPa.



GSC
Solenoid valve +
Pressure switch

Model		GSC□-1□	GSC□-2□
Fluid used		Air	
Type of seal		Metal seal	
Solenoid valve		2 Position Double	
Max. operating pressure	MPa	0.7	
Proof pressure	MPa	1	
Fluid temperature range	°C	5 ~ 50	
Orifice area	mm ²	15	32.4
Air Piping diameter		ø6	ø10
Protection structure		Dust Proof	
Oil supply	MPa	Nil	

- The minimum air pressure necessary for unclamp action is 0.39 MPa. Be sure to use at more than 0.39 MPa air pressure.