# HCSD-H U

## Control unit Solenoid operated

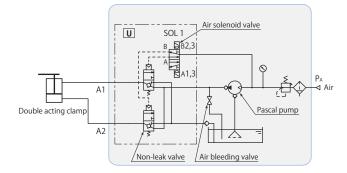


Control unit model HCSD-H U

This is a hydraulic control unit that is air driven and solenoidal operated, combining non-leak valve with non-leak feature (zero oil leaks), which is essential for hydraulic clamps, and Pascal pump. Since two hydraulic circuits can be operated and controlled alternatingly, it is best suited hydraulic pressure source for double acting clamps.

Pascal pump stops pumping once circuit pressure has been attained and retains the pressure. Furthermore, since there is hardly any temperature fluctuation of working fluid, there is no need for any auxiliary pressure equipment.

 $\mathsf{HCSD}\text{-}\mathsf{H}\square\mathsf{U}$  is made to order.



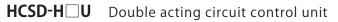
Model		HCSD-H2U	HCSD-H3U	
Pascal pump		X6308U-D	X6310U-D	
Control voltage*1		DC24V		
Discharge oil pressure* <sup>2</sup>	MPa	8.7–26.1	5.55-16.65	
Set air pressure	MPa	0.2-0.5		
Unloaded oil discharge amount	L/min	Refer to <b>page →173</b> for performance diagram.		
Tank capacity*3	L	H.L. 3.5 L.L. 1.5		
Operating temperature °C		0–50		
Fluid used		General mineral based hydraulic oil (ISO-VG32 equivalent)		
Mass	kg	20		

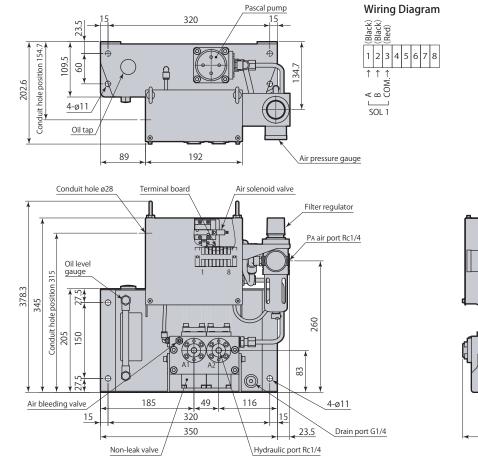
\*1: Ask us if the control voltage is different.

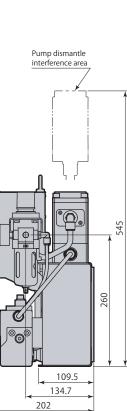
\*2:Ask for consultation on specifications that exceed discharge oil pressure range.

\*3:Oil level in the tank should be always between H.L. and L.L. of the gauge.

#### Dimensions







Control uni

HCS Solenoid operated

# HCSD-H A

## Control unit Solenoid operated



Control unit model HCSD-H A

This is a hydraulic control unit that is air driven and solenoidal operated, combining non-leak valve with non-leak feature (zero oil leaks), which is essential for hydraulic clamps, and Pascal pump.

Pascal pump stops pumping once circuit pressure has been attained and retains the pressure. Furthermore, since there is hardly any temperature fluctuation of working fluid, there is no need for any auxiliary pressure equipment.

 $\mathsf{HCSD-H}\square\mathsf{A}$  is made to order.

Single acting clamp	Al SOL 1 Air solenoid valve	P <sub>A</sub> Air mp
	Air bleeding valve	

Model		HCSD-H2A	HCSD-H3A
Pascal pump		X6308U-D	X6310U-D
Control voltage*1		DC24V	
Discharge oil pressure* <sup>2</sup>	MPa	8.7-26.1	5.55-16.65
Set air pressure	MPa	0.2–0.5	
Unloaded oil discharge amount	L/min	Refer to <b>page →173</b> for performance diagram.	
Tank capacity*3	L	H.L. 3.5 L.L. 1.5	
Operating temperature °C		0-50	
Fluid used		General mineral based hydraulic oil (ISO-VG32 equivalent)	
Mass	kg	17	

\*1: Ask us if the control voltage is different.

\*2:Ask for consultation on specifications that exceed discharge oil pressure range.

\*3:Oil level in the tank should be always between H.L. and L.L. of the gauge.

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#### Dimensions

#### HCSD-H 🗆 A Single acting circuit control unit Wiring Diagram Pascal pump 320 23.5 Conduit hole position 154.7 3 4 5 6 7 8 09.5 60 Pump dismantle interference area 202.6 A B A 4-ø11 SOL 1 Oil tap 89 192 Air pressure gauge Conduit hole ø28 Terminal board Air solenoid valve Filter regulator PA air port Rc1/4 THEFT ீளாமீ Oil level gauge 315 378.3 Conduit hole position 345 260 260 205 150 8 (o)) Air bleeding valve 234 116 109.5 4-ø11 15 320 15 134.7 Drain port G1/4 350 23.5 202 Non-leak valve Hydraulic port Rc1/4

Control unit

HCS Solenoid operated