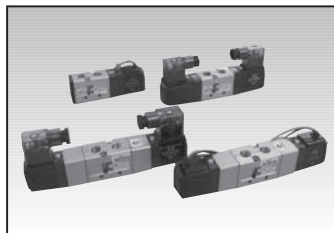


## 5 Port Pilot Solenoid Valve Series DS3000



- Compact size and light weight
- Large flow capacity
- Low power consumption
- Designed for non-lubricated service

Body Ported Type	Model	Port Size		Position	Solenoid	Effective Orifice mm <sup>2</sup> (Cv)		Pressure kgf/cm <sup>2</sup> (psi)
		DS	UDS			1/8	1/4	
5 Port	DS3130	RC(PT) 1/8	NPT 1/8	2	Single	14.4(0.8)	18(1.0)	1.5~9(21~128)
	Double				14.4(0.8)	18(1.0)	1~9(14~128)	
	DS3330	1/4	1/4	3	Closed Center	11.7(0.65)	14.4(0.8)	1.5~9(21~128)
	DS3430				Exhaust Center	14.4(0.8)	18(1.0)	

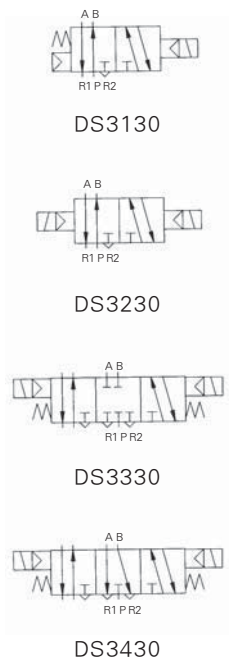
### How to Order

- Valve **U** **DS3** **1** **3** **0** **1** **G** **C** **02** **XWL\*\***

1
2
3
4
5
6
7
8
9
10

- |   |   |   |
|---|---|---|
| <p><b>1</b> Series DS3000<br/>Blank : Metric Rc(PT)<br/>U : NPT</p> <p><b>2</b> Type of Actuation<br/>1 : 2 Position/Single Solenoid<br/>2 : 2 Position/Double Solenoid<br/>3 : 3 Position/Closed Center<br/>4 : 3 Position/Exhaust Center</p> <p><b>3</b> Body Option<br/>3 : for 30 type Manifold. Body Ported</p> <p><b>4</b> Voltage<br/>0 : Standard<br/>3 : Common Exhaust for main and Pilot Valve</p> <p><b>5</b> Voltage<br/>1 : AC110V, 50/60Hz</p> | <p>2 : AC220V, 50/60Hz<br/>3 : AC120V, 50/60Hz<br/>4 : AC240V, 50/60Hz<br/>5 : DC24V<br/>6 : DC12V<br/>7 : DC6V<br/>8 : Other<br/>9 : DC100V</p> <p><b>6</b> Electronic Entry/Indicator<br/>Light and Surge Suppressor<br/>G : Grommet<br/>(Lead Wire Length 300mm)<br/>D : DIN Terminal Type</p> <p>DZ : DIN Connector with Indicator Light and Surge Suppressor</p> | <p><b>7</b> Manual Override<br/>Blank : Non-Locking PushType<br/>C : Knob Locking Type</p> <p><b>8</b> Port Size<br/>01 : 1/8<br/>02 : 1/4(Exhaust Port:1/8)</p> <p><b>9</b> Special Option<br/>Blank : Standard Type<br/>XC16 : Copper-Free</p> <p><b>10</b> Length of lead wire<br/>Blank : 300mm<br/>(Standard)<br/>XWL01 : 100mm<br/>XWL02 : 200mm<br/>:<br/>:<br/>XWL20 : 2000mm<br/>∴ Other length : Contact us</p> |
|---|---|---|

< Symbol >



- Manifold Base **DSM3** - **3** - **05** **1**

1
2

- |  |   |
|--|---|
| <p><b>1</b> Manifold for DS3000 series<br/>Blank : Metric Rc(PT)<br/>U : NPT<br/>- Port Size : 1/4</p> | <p><b>2</b> Stations<br/>02 : 2 stations<br/>:<br/>:<br/>20 : 20 stations</p> |
|--|---|

- Pilot Valve Assembly Only **SC2** - **1** **G** **50** **XWL\*\***

1
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- |   |  |   |
|---|--|---|
| <p><b>1</b> Voltage<br/>1 : AC110V, 50/60Hz<br/>2 : AC220V, 50/60Hz<br/>3 : AC120V, 50/60Hz<br/>4 : AC240V, 50/60Hz<br/>5 : DC24V<br/>6 : DC12V<br/>7 : DC6V<br/>8 : Other<br/>9 : DC100V</p> <p><b>2</b> Electrical Entry/Indicator Light and Surge Suppressor</p> | <p>G : Grommet (Lead Wire Length 300mm)<br/>DZ : DIN Connector with Indicator Light and Surge Suppressor<br/>D : DIN Terminal Type</p> <p><b>3</b> Manual override<br/>Blank : Non-Locking Push Type<br/>C : Knob Locking Type</p> <p><b>4</b> Special Option<br/>Blank : Standard Type<br/>XC16 : Copper-Free</p> | <p><b>5</b> Length of lead wire<br/>Blank : 300mm<br/>(Standard)<br/>XWL01 : 100mm<br/>XWL02 : 200mm<br/>:<br/>:<br/>XWL20 : 2000mm<br/>∴ Other length : Contact us</p> |
|---|--|---|

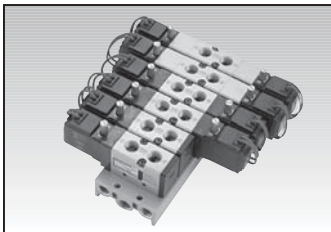
DS3000  
DS5000  
DP300/  
3000/5000  
DS6000  
DS3000  
(Base Ported)  
DX1,2  
DX2R  
DH  
DW  
DM  
DT220/  
UDT220/DC  
TPC-1000  
/1200  
PC  
PF  
PR  
PL  
PP  
PFH/  
PFU  
PLV  
TXF  
PVR/PNR  
PER2000  
/3000  
TAD  
EP  
EM/EL  
SPSA  
SPS  
SQ  
SC  
SP  
SP4000  
/SPM  
SP2000  
SN  
SQ2  
SH  
DCH  
SF  
ST  
W1  
W2/W3  
W4/W5  
W6/W7  
Mini  
Auto Switch

Specifications		
Fluid	Air	
Operating Pressure Range	2 Position Single · 3 Position	1.5~9 kgf/cm <sup>2</sup> (21~128 psi)
	2 Position Double	1~9 kgf/cm <sup>2</sup> (14~128 psi)
Ambient and Fluid Temperature	50℃ (122 °F)	
Response Time	2 Position Single/Double	30 ms or Less {5kgf/cm <sup>2</sup> (71 psi)}
	3 Position	40 ms or Less {5kgf/cm <sup>2</sup> (71 psi)}
Max. Operating Frequency	2 Position Single/Double	5c/s
	3 Position	3c/s
Lubrication	Not Required※	
Manual Override	Non-locking Push Type, Knob Locking Type	
Mounting Position	Free	
Impact/Vibration Resistance	30 G/5 G(8.3~2000 Hz)	
Enclosure	Dust Proof	
Pilot Exhaust	Individual Exhaust, Common Exhaust for Main Valve and Pilot Valve	

※ If provided, use Turbine 0.1(ISO VG #32)

Electrical Entry	Grommet, DIN Connector		
Coil Voltages	AC 50/60Hz	110VAC, 220VAC, 120VAC, 240VAC	
	DC	6VDC, 12VDC, 24VDC	
Allowable Voltage	-15~+10% of rated voltage		
Power Consumption	AC	Inrush	5.6VA(50Hz), 5.0VA(60Hz)
		Holding	3.4VA(50Hz), 2.3VA(60Hz)
	DC		1.8W/2W(With LED)
Indicator Light/Surge	AC	LED, Varistor	
Suppressor Circuit	DC	LED, Varistor	

## DSM3 / Manifold



Model for Manifold			
Model	Manifold		
	Type	Exhaust	A,B(CYL) Port
DS3○30-○○ <sup>01</sup> / <sub>02</sub>	B Mount	30 Common	Valve

Manifold Specifications		
Manifold Type	B Mount(Single Base Type)	
Exhaust	Common	Individual(Pilot)
Maximum Stations	20 Stations ※	

※ If there are more than 8 stations use both supply and all 4 exhaust ports.

Manifold Type	Model	Exhaust Port	Piping Port location			Port Size NPT			Applicable Valve
			P(SUP)	R(EXH)	A,B(CYL)	P(SUP)	R(EXH)	A,B(CYL)	
B Mount	DSM3-30	Common	Side/	Side/	Side/	1/4	1/4	1/8	DS3○30
			Base	Base	Valve			1/4	