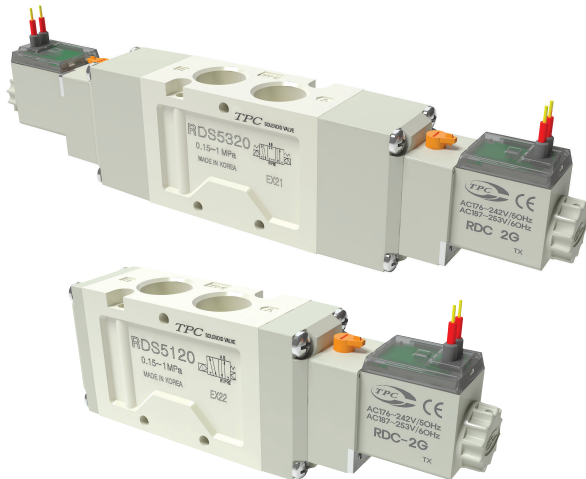


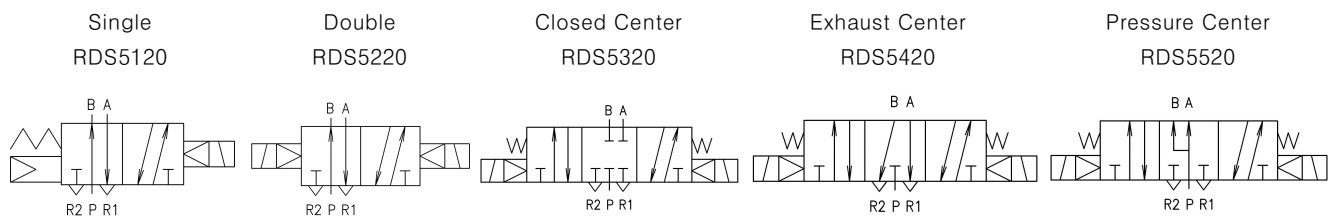
RDS5000 SERIES

Rubber Seal 5port Pilot Type

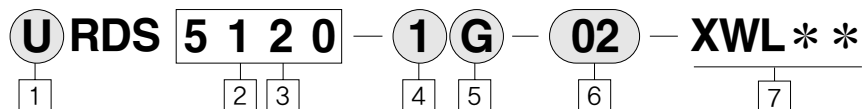


- Compact size and light weight(32mm width)
- Large flow capacity – Cv2.8, Rc(PT)3/8 and Cv3.2, Rc(PT)1/2
- Made with environment friendly materials
- White color design
- Easy to replace coil

Symbol



HOW TO ORDER



① RDS5000 Series
Blank : Metric Rc(PT)
U : NPT

② Type of Actuation
1 : Single
2 : Double
3 : Closed Center
4 : Exhaust Center
5 : Pressure Center

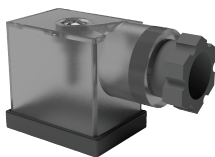
③ Port type
2 : Body Ported

④ Coil Voltage
1: AC110V, 50/60HZ
2: AC220V, 50/60HZ
3: AC120V, 50/60HZ
4: AC240V, 50/60HZ
5: DC24V
6: DC12V
8: AC24V, 50/60HZ
9: DC100V

⑤ Electrical Entry
G : Grommet(Lead wire 300mm)
D : DIN Connector
DZ : DIN Connector
(Lamp and surge voltage protecting circuit attached)
N : DIN type(connector not included)

⑥ PORT SIZE
02 : Rc(PT)1/4
03 : Rc(PT)3/8
04 : Rc(PT)1/2

⑧ Lead wire
Blank : 300mm
XWL01 : 100mm
XWL01 : 200mm
:
XWL01 : 2000mm
※ Integrated push & lock type is standard option for manual operation.



TVF3130-61-2005

Additional
Symbol

1

1 Additional Symbol

Additional Symbol	Rated Voltage
①	AC110V, 50/60Hz
②	AC220V, 50/60Hz
③	AC120V, 50/60Hz
④	AC240V, 50/60Hz
⑤	DC24V
⑥	DC12V
⑧	AC24V, 50/60Hz
⑨	DC100V

Notice

Please fully understand the safety notice before operating this item.

Specifications

	Fluid	Air
AMBIENT AND FLUID TEMPERATURE(MPS)	2 Position Single, 3 Position 2 Position Double	0.15 ~ 1.0 MPa [0.2~1.0kgf/cm ²] 0.1 ~ 1.0MPa
Ambient and Fluid temperature		5~50℃
Response time(ms)	2 Position Single, Double 3 Position	under 40ms under 50ms
Max. Operating Frequency(Hz)	2 Position Single, Double 3 Position	5 c/s 3 c/s
Lamp(LED)		Standard
Manual operation		PUSH & LOCK
Electrical Entry		Grommet(G), DIN Connector(DZ)
Lubrication		Not Required
Coil rated Voltage	AC(50/60)Hz DC	110V, 220V, 120V, 240V, 24V 24V, 12V, 100V
Power Consumption	Apparent power(AC) Power consumption(DC)	5.0VA(50Hz), 4.0VA(60Hz) 3.0 / 3.2W(with LED)

Type

Piping type	Type	Type of Actuation	PORT SIZE (SUP,CYL.)	Effective Orifice mm ² (Cv)		Weight(kg)
				Rc(PT)3/8	Rc(PT)1/2	
Body Ported	RDS5120-○○-02 03 04	2 Position Single	Rc(PT)1/4	50(2.8)	58(3.2)	0.40
	RDS5220-○○-02 03 04	2 Position Double		50(2.8)	58(3.2)	0.48
	RDS5320-○○-02 03 04	3 Position Closed Center	Rc(PT)3/8	40(2.2)	45(2.5)	0.60
	RDS5420-○○-02 03 04	3 Position Exhaust Center	Rc(PT)1/2	43(2.4)	48(2.7)	0.60
	RDS5520-○○-02 03 04	3 Position Pressure Center		40(2.2)	45(2.5)	0.60

(1) Body ported type can be attached to each manifold base.(Manifold Type / B mount common exhaust)

(2) The weight is based on grommet type.

(3) Effective sectional area of valve is assigned by provider, which shows a bit of difference from exhaust effective sectional area.(Lamp/Surge voltage protecting circuit attached)

RDC Series



HOW TO ORDER

RDC **1** **G** - **XWL** * *

1

2

3

4

1 RDC Series

2 Coil Voltage

- 1: AC110V, 50/60Hz
- 2: AC220V, 50/60Hz
- 3: AC120V, 50/60Hz
- 4: AC240V, 50/60Hz
- 5: DC24V
- 6: DC12V

- 8: AC24V, 50/60Hz
- 9: DC100V

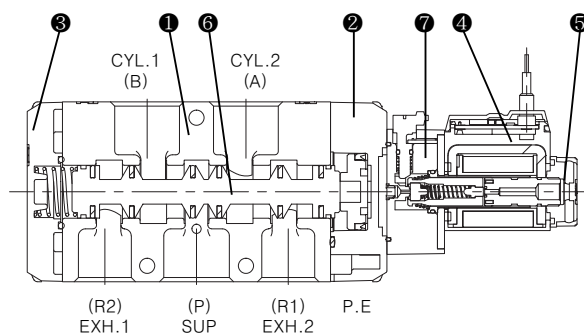
3 Electrical Entry

- G : Grommet(Lead wire 300mm)
- D : DIN Connector
- DZ : DIN Connector
(Lamp and surge voltage protecting circuit attached)
- N : DIN Type (connector not included)

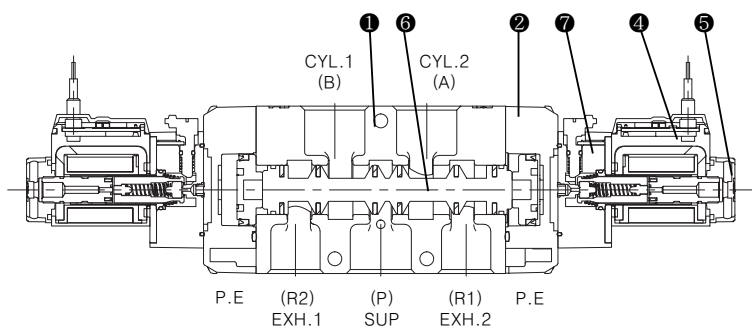
4 Length of lead wire

- Blank : 300mm
- XWL01: 100mm
- XWL02: 200mm
- :
- XWL20: 2000mm

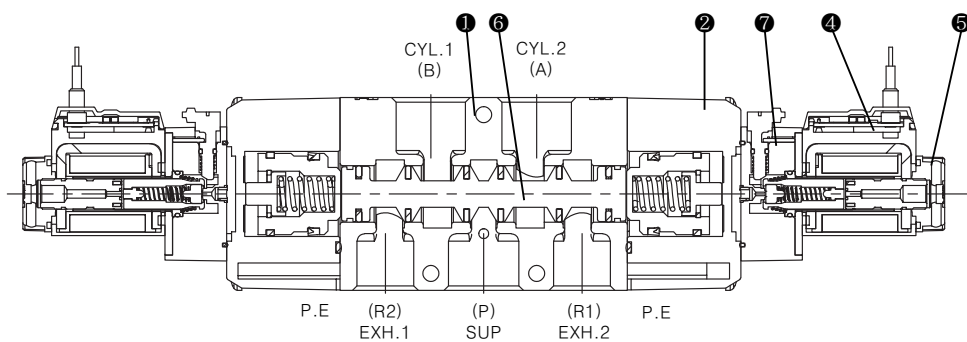
Single Solenoid



Double Solenoid



3 Position Solenoid

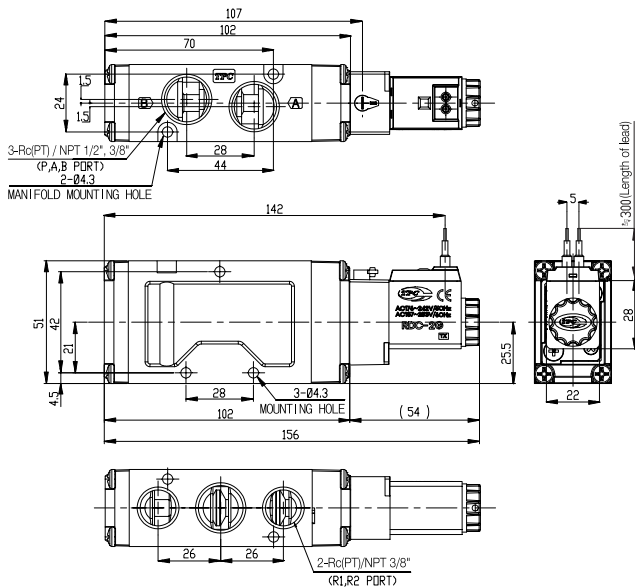


Main Parts for manifold

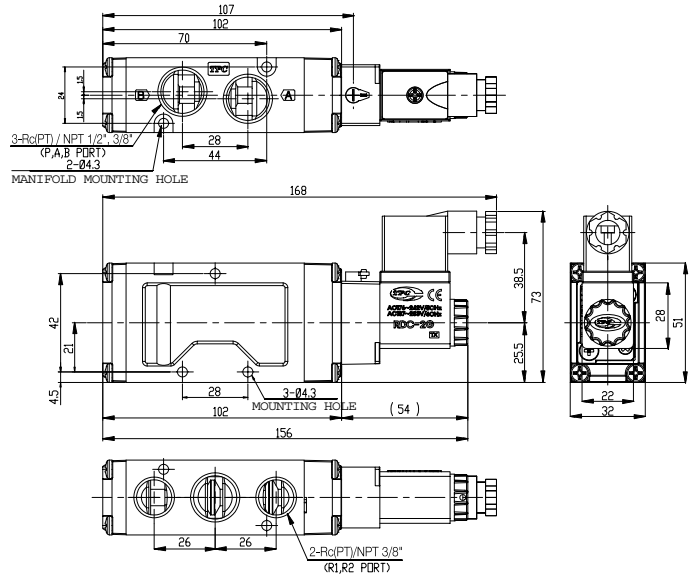
NO.	Description	Material	Remarks
①	Body	Aluminum die casting	White paint
②	Adapter Plate A	Resin	
③	End Cover	Resin	
④	Coil Ass'y	—	
⑤	Core Fixed Nut	Resin	
⑥	Spool	Alumium	
⑦	Pilot Body	Resin	

Body Ported/2 Position Single Solenoid

Grommet/RDS5 1 2 ○ - ○ G

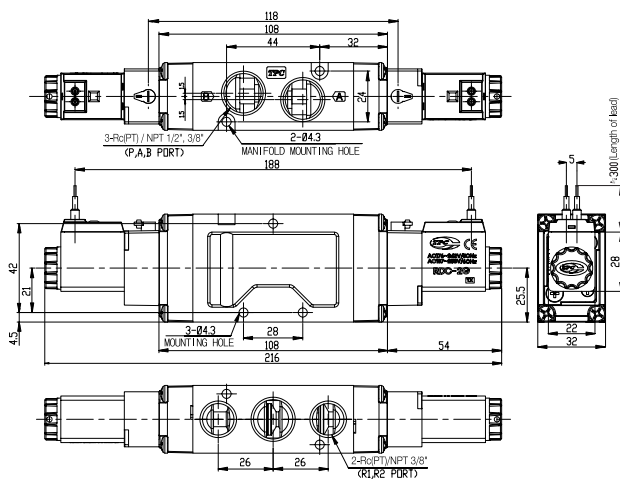


DIN Connector/RDS5 1 2 ○ - ○ D (DZ)

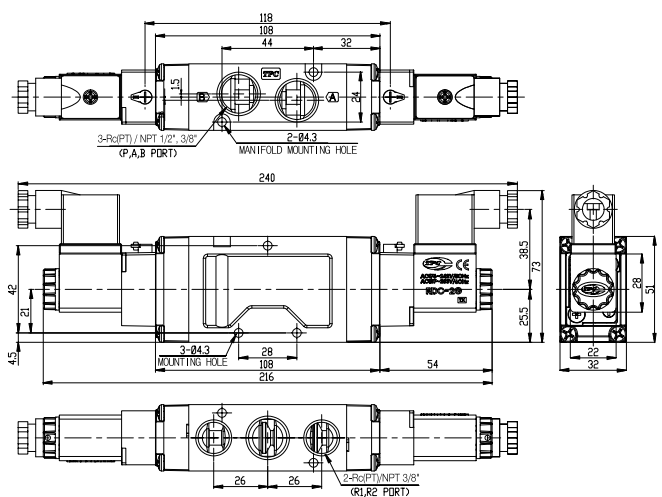


Body Ported/2 Position Double Solenoid

Grommet/RDS5 2 2 ○ - ○ G

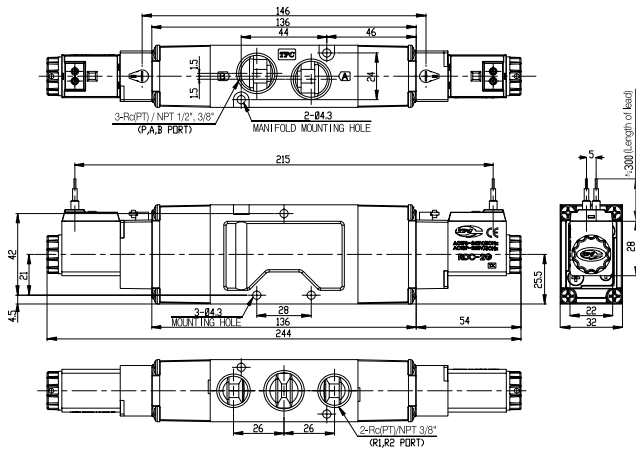
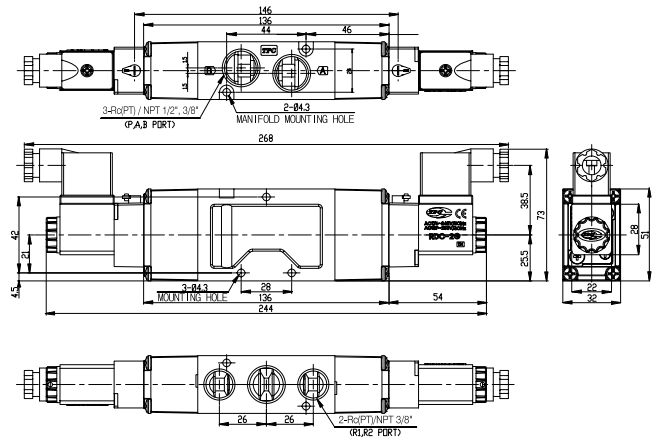


DIN Connector/RDS5 2 2 ○ - ○ D (DZ)

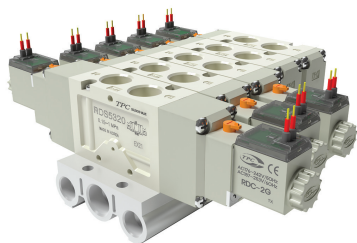


Body Ported / 3 Position Double Solenoid

Grommet/RDS5○2○-○G



Manifold



TVV5F5-30

Type · Specifications

Manifold Type	BMount(Single Base type)	
EXHAUST Port Type	Common	Individual
⁽¹⁾ Maximum Valve Connection number	10 stations	

(1) For more than 5 stations of B mounting type, pressurized at both ends of P(SUP) port and exhausted by both R(EXH) ports.

Type · Specifications

Type	Manifold Base type	⁽¹⁾ R(EXH) Type	Piping Direction/Connect Location			PORT SIZE Rc(PT)			Applied Valve Type
			P(SUP)	R(EXH)	A,B(CYL)	P(SUP)	R(EXH)	A,B(CYL)	
B Mount	TVV5F5-20	Common	Transverse	Transverse	Upper	1/2	3/8	3/8 1/2	RDS5□20
			Base	Base	Valve				

(1) The type of P port is common.

Blank Plate HOW TO ORDER

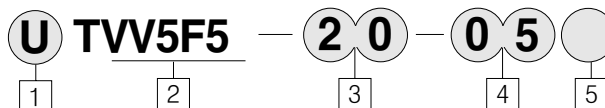
TVF5120-83A

(Gasket & Bolt included)

Manifold Gasket

TVF5120-52A

Manifold Base HOW TO ORDER FORM



- 1 Manifold
Blank : Metric(PT)
U : NPT

- 2 RDS5000 SERIES Manifold

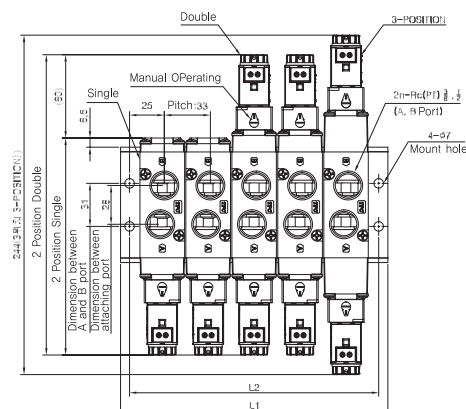
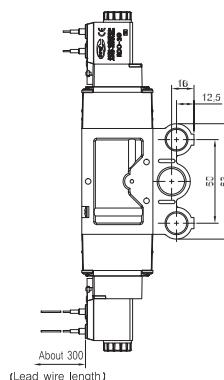
- 3 Manifold Specifications
Symbol : 20
A,B(CYL) port piping position : valve
Port size
P : Rc(PT)1/2
R : Rc(PT)3/8
Applied Valve Type : RDS5□20

- 4 Stations
02 : 2 Stations
10 : 10 Station

- 5 Component Symbol
Symbol : 1
Passage Specification
P(SUP) : Common
R(EXH) : Common
Piping Specification
A, B(CYL):Upper(Transverse)
Remark : 20 Type

B Mount type/TVV5F5 - 20

Common EXH/TVV5F5 - 20 - ○○1



L:Dimension Sheet

(n:Stations)

L	n	2	3	4	5	6	7	8	9	10
L1		93	126	159	192	225	258	291	324	357
L2		80	113	146	179	212	245	278	311	344