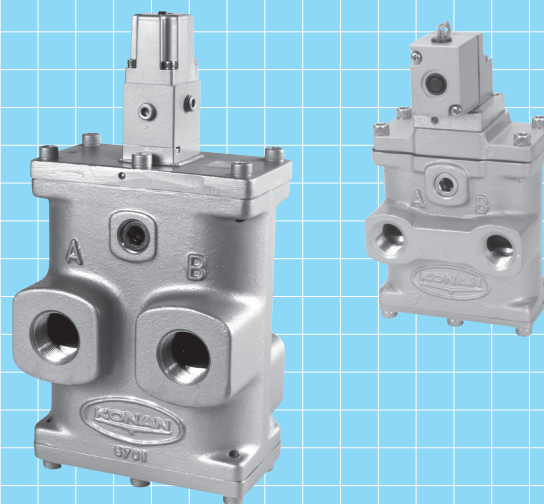


4 Port Solenoid Valves

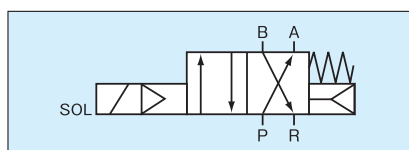
Large-Capacity Poppet-type(Return)

MVW344F – S

口径 Rc 3/8 ~ 2



JIS
symbol



Specifications

Model code		MVW344F – 04 – S		MVW344F – 08 – S		MVW344F – 14 – S		
Port size		Rc 3/8	Rc 1/2	Rc 3/4	Rc1	Rc1 1/4	Rc1 1/2	Rc2
Effective area of valve		70mm ²	80mm ²	200mm ²	220mm ²	700mm ²	750mm ²	800mm ²
Fluid		Compressed air (Dry air filter passage less than 40 μm.)						
Working pressure range		0.2 ~ 0.7MPa						
Proof pressure		1.05MPa						
Ambient temperature		– 20 ~ 50℃ (remove moisture perfectly from the fluid to prevent freezing when used at 5℃ or lower.)						
Solenoid	Allowable voltage fluctuation	– 15% ~ 0% of rated voltage (Continuous) , 0% ~ +10% of rated voltage (Short time)						
	Temperature rise	Max.80℃						
	Insulation class	JIS C 4003 Class B						
	Power consumption	See coil data						
Response time		less than 0.05s		less than 0.07s		less than 0.15s		
Operating frequency		Max.2time/s						
Installation position		As desired						
Mass ※		2.1kg		3.0kg		10.6kg		

Note) The mass marked with "※" does not include options.

● Consult factory for non-standard applications which are not covered by above specifications.

Coil data

[Model : MVW344F – 04 – S/MVW344F – 08 – S]

Rated voltage [V]	AC										Rated voltage [V]	DC			
	100		110		125		200		220			24	48	100	110
Frequency [Hz]	50	60	50	60	50	60	50	60	50	60	Retention current [mA]	24	48	100	110
Issuance current [mA]	199	177	164	144	165	143	115	100	83	72		247	123	58	49
Retention current [mA]	93	75	86	60	79	62	57	42	43	30					

Coil data

[Model : MVW344F – 14 – S]

Rated voltage [V]	AC							Rated voltage [V]	DC			
	100		110		200		220		24	48	100	110
Frequency [Hz]	50	60	50	60	50	60	60	Retention current [mA]	24	48	100	110
Issuance current [mA]	1415	995	1441	1200	733	500	639		583	292	140	186
Retention current [mA]	283	199	288	240	147	100	128					

Model Code

When ordering,specify the model as follows.

MVW344F - **1** - S - **2** - **3** - **4** - **5** - **6**

• Body size • Return • Pilot pressure • Port size • Voltage • Wiring connection • Mounting bracket

External pilot type

1 Body size

Rc $\frac{3}{8}$	04
Rc $\frac{1}{2}$	
Rc $\frac{3}{4}$	08
Rc 1	
Rc 1 $\frac{1}{4}$	14
Rc 1 $\frac{1}{2}$	
Rc 2	

2 Pilot pressure · External pilot type

Internal (Standard) pilot type	No entry
External pilot type	P

• In the case of external pilot type, working pressure is as follows. Please be careful.

Working pressure $\leq$ Pilot pressure $\geq$ 0.2MPa

3 Port size

04	Rc $\frac{3}{8}$	10A
	Rc $\frac{1}{2}$	15A
08	Rc $\frac{3}{4}$	20A
	Rc 1	25A
14	Rc 1 $\frac{1}{4}$	32A
	Rc 1 $\frac{1}{2}$	40A
	Rc 2	50A

4 Voltage

AC100V (50/60Hz)	AC100
AC110V (50/60Hz)	AC110
AC125V (50/60Hz) ※	AC125
AC200V (50/60Hz)	AC200
AC220V (50/60Hz) ※	AC220
DC 24V	DC 24
DC 48V	DC 48
DC100V	DC100
DC110V	DC110

※ **1** Body size 14 is not manufactured for "AC125 (50/60Hz)" and "AC220 (50Hz)".

5 Wiring connection

Lead wire	No entry
DIN connector	DT
DIN connector (With Indicate Lamp)	DN
DIN connector (With Indicate Lamp · Surge absorber)	DNZ
TBF1 Type Terminal box	TBF1
TBF1 Type Terminal box (With Indicate Lamp)	TBF1N
TBF1 Type Terminal box (With Surge absorber)	TBF1Z
TBF1 Type Terminal box (With Indicate Lamp · Surge absorber)	TBF1ZN

6 Mounting bracket

Not needed	No entry
Required	BR

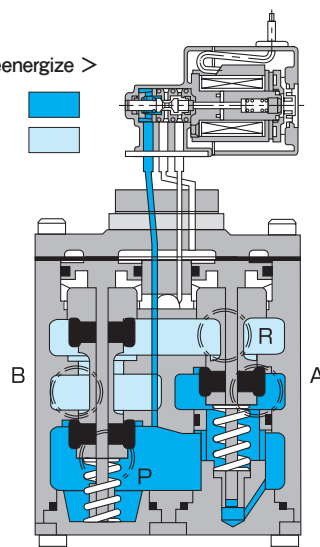
Structure / Operation

MVW344F - 04 - S

< SOL.Deenergize >

P → A

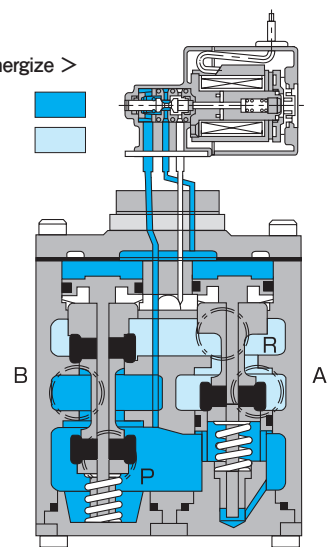
B → R



< SOL.Energize >

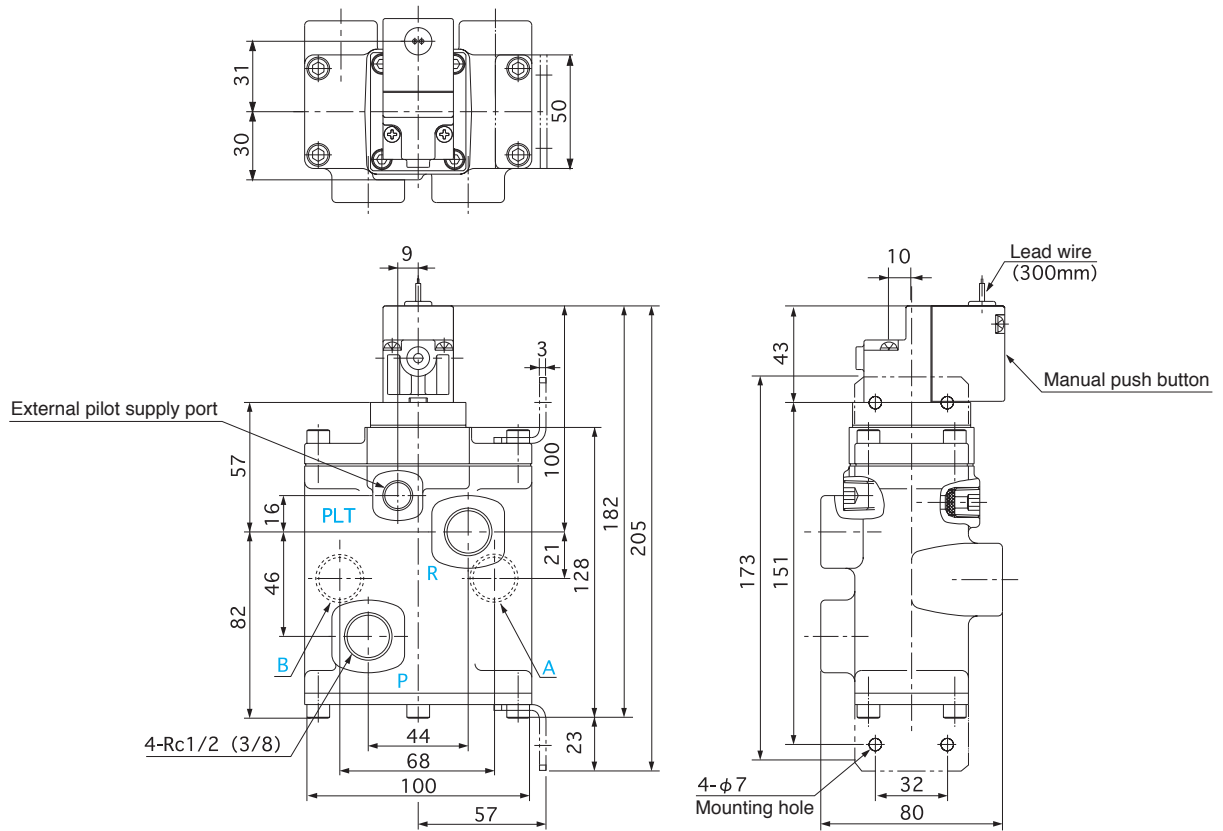
P → B

A → R

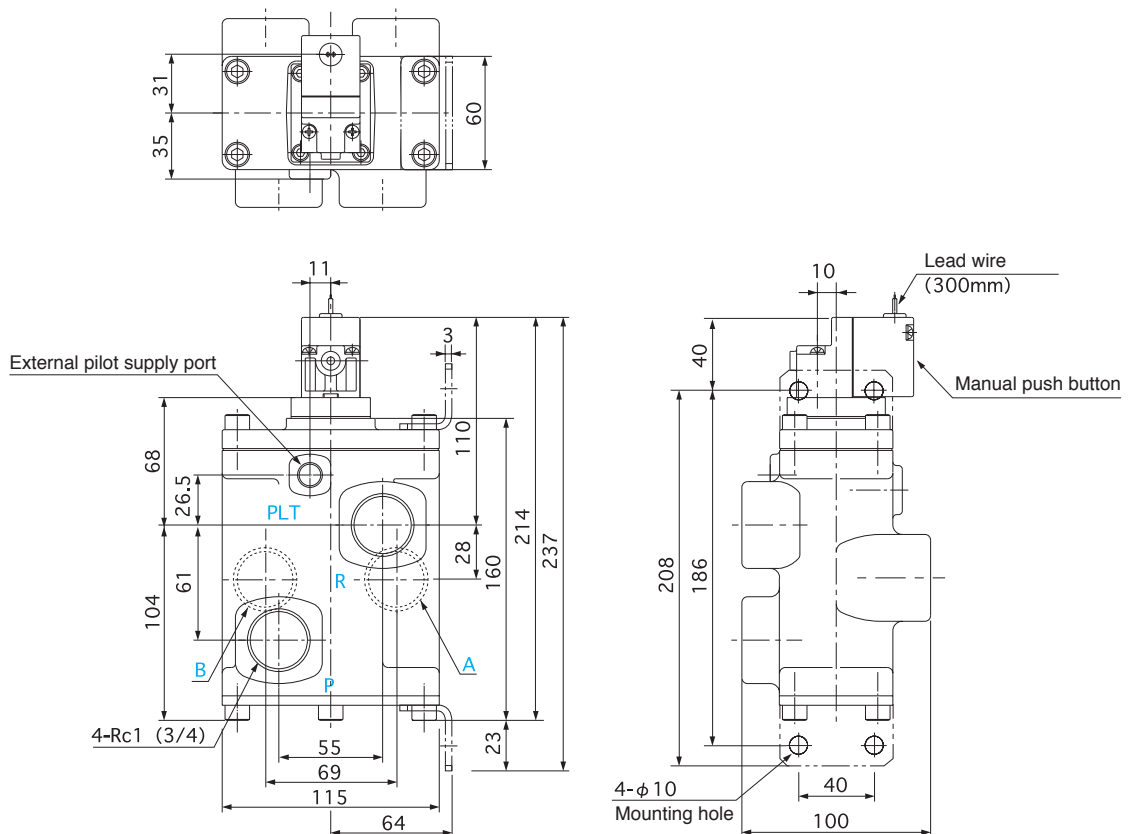


External Dimensions

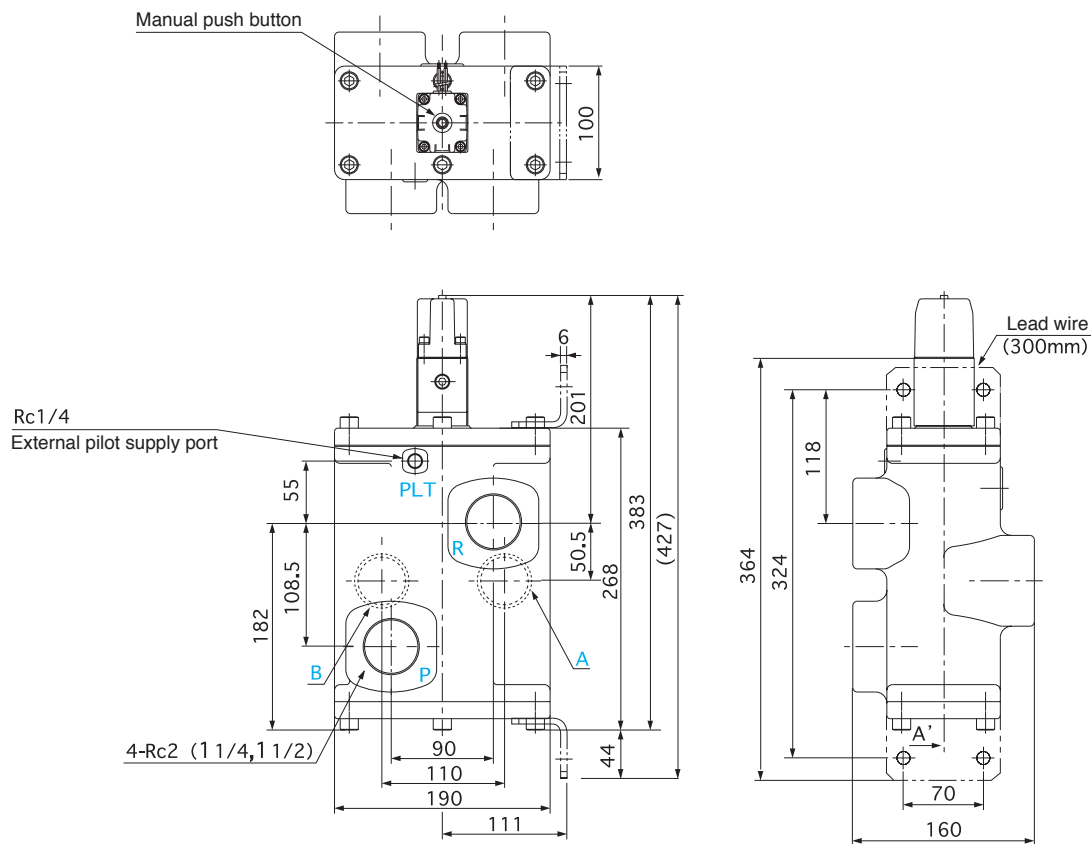
MVW344F-04-S (Lead wire)



MVW344F-08-S (Lead wire)

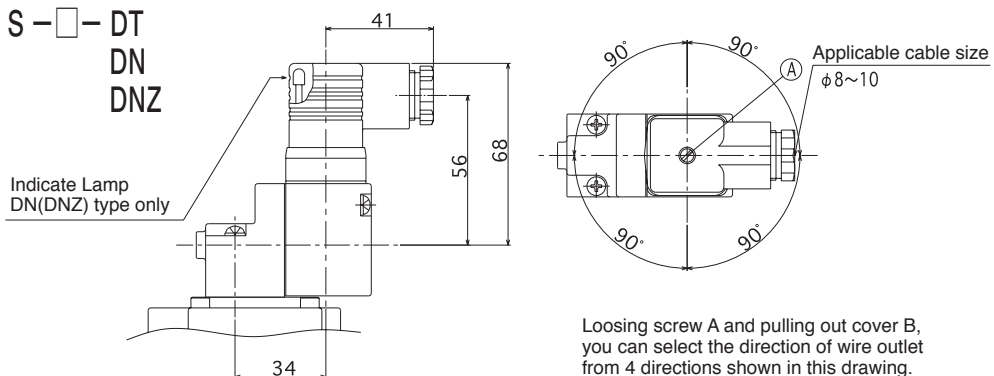


MVW344F-14-S (Lead wire)



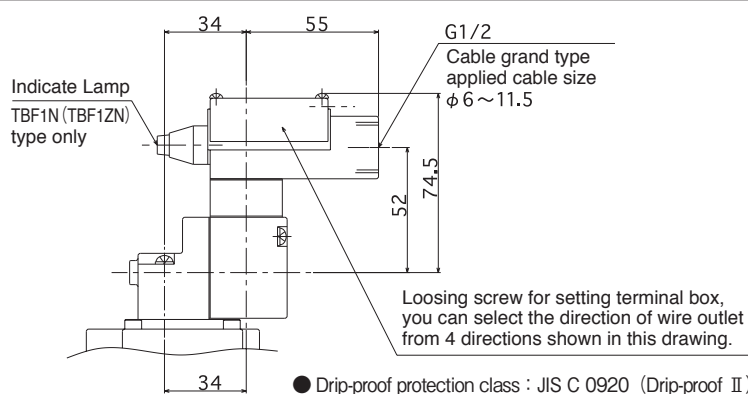
■ DIN connector (Option) Installation

MVW344F - 04 · 08 · 14 - S - ☐ - DT
DN
DNZ



■ TBF1 type Terminal box (Option) Installation

MVW344F - 04 · 08 · 14 - S - ☐ - TBF1
TBF1N
TBF1Z
TBF1ZN



● Drip-proof protection class : JIS C 0920 (Drip-proof II)