225 Series — 2/2 Way Solenoid Valve

Brass Series, Pilot Acting

Features



1. Pilot acting for low starting pressure.
2. Large flow rate and high working pressure.
3. Quick response.
4. Stainless steel stem provides exceptional durability.
5. Flange type is available for JIS 10K, ANSI 150LB and PN16.
6. Ex-proof coil T4 as optional accessory, please refer to page 5-9.
7. Timer for setting on/off time as optional accessory.
8. CE conformity for all series.
9. Coil nut is available, please refer to page 5-3.

How to order

PU225A	N	V	F	–	03	N	–	S1	L	E
Pilot Acting	Acting style	Diaphragm	Port size		Port size	Thread		Voltage	LED	Ex-Proof coil
	Blank :Normally closed N :Normally open	Blank :NBR V :VITON E :EPDM H :HNBR	Blank :W/O Flange F :10K F3 :150LB F4 :PN16		03 :3/8" 04 :1/2" 06 :3/4" 08 :1" 12 :1 1/4" 14 :1 1/2" 20 :2"	Blank :G N :NPT R :Rc		S1:110VAC S2:220VAC S6:24VAC S7:12VDC S9:24VDC	Blank :W/O LED L :W/I LED	Blank :Standard E :Ex-proof coil

How to order Repair kit

ZGPU225A	–	03	N
Repair kit		Port size	Diaphragm
ZGPU225A (Normally closed) ZGPU225AN (Normally open)		03 :3/8", 1/2" 06 :3/4", 1" 12 :1-1/4", 1-1/2" 20 :2"	N :NBR V :VITON E :EPDM H :HNBR

Description	Qty.
Plunger	1
Spring	2
Diaphragm	1

Specifications

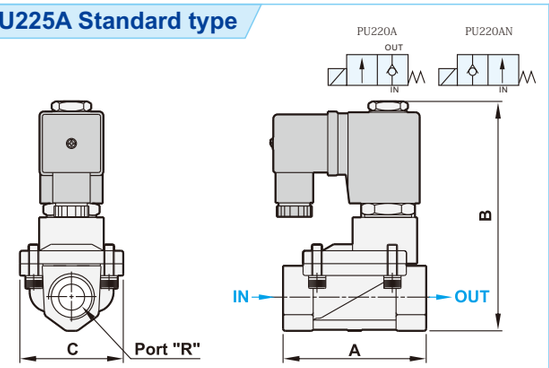
Model	PU225A-03	PU225A-04	PU225A-06	PU225A-08	PU225A-12	PU225A-14	PU225A-20
Port size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Fluid	Compressed air (light oil, water)						
Orifice	13mm		25mm		38mm		50mm
Effective area	88mm²		230mm²		404mm²	552mm²	883mm²
Acting	Pilot acting						
Construction	Diaphragm						
Operating pressure range	0.5～10kgf/cm²(0.5 ~ 10.0Bar)						
Proof pressure	15 kgf/cm²(15.0Bar)						
Body / Flange material	Forged Brass / Steel SS41						
Fluid temperature	-10℃ ～ 90℃						
Ambient temperature	-10℃ ～ 60℃						
Installation	Horizontal						
Duty cycle	100% ED						
Coil type	DIN						
Protection class	IP65 (DIN 40 050)						
Insulation	F						
Voltage tolerance	±10%						
Standard voltage	220VAC, 110VAC, 24VDC, the other voltage is optional						
Power consumption	Normally closed AC110V: 17.6VA; AC220V: 18.1VA; DC:15W/Normally open AC: 17.8VA; DC:15W						
Net weight	775g		1550g		2820g		4665g

Seal material selection guide

Seal	Temperature range	Suitable fluid	Unsuitable fluid
NBR	-15℃ ～ 80℃	Air, Water, Neutral gases, Mineral oil	Fuel oil, Gasoline and Hi-test gasoline, Diesel fuel
HNBR	-40℃ ～ 150℃	Air, Water, Gear oil, Engine oil	Pharmaceutical liquid, Gasoline and Hi-test gasoline, Light oil
VITON	-10℃ ～ 180℃	Fuel oil, Gasoline and Hi-test gasoline, Diesel fuel	Hot water, Steam, Brake oil (ATE Blue)
EPDM	-5℃ ～ 130℃	Hot water, Detergent liquid	Mineral oil, Gasoline

Dimensions

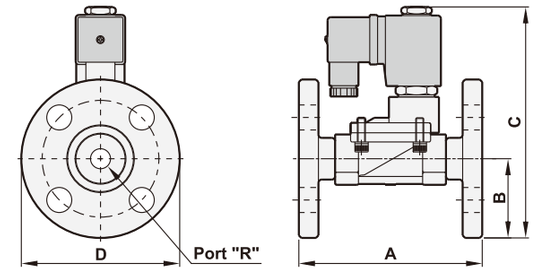
PU225A Standard type



(mm)

Model	PU225A -03	PU225A -04	PU225A -06	PU225A -08	PU225A -12	PU225A -14	PU225A -20
R	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	66.5	66.5	96	96	131.5	131.5	160
B	106.5	106.5	126	126	145.5	145.5	160
C	48.5	48	70.7	70.7	96	96	112

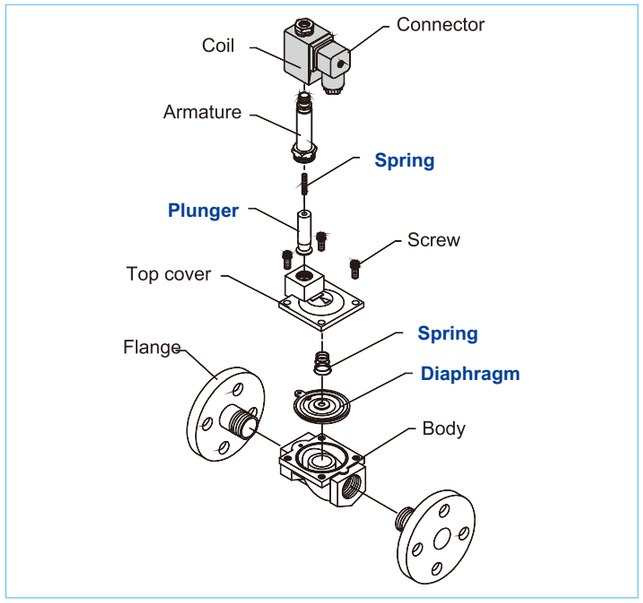
PU225A Standard type (10K)



(mm)

Model	PU225AF -03	PU225AF -04	PU225AF -06	PU225AF -08	PU225AF -12	PU225AF -14	PU225AF -20
R	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	110	110	145	150	180	180	210
B	45	47.5	50	62.5	67.5	70	77.5
C	136	138.5	153	165.5	173	182.5	210
D	90	95	100	125	135	140	155

Explosion



Flow chart

