

■ Features

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



■ How to order

PU220A	N	V	F	—	03	N — S1	L	E
Brass Assisted Lift	Acting style	Diaphragm	Flange type	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 only far A series	03 :3/8" 04 :1/2" 06 :3/4" 08 :1"	Blank :G N :NPT R :Rc	S1 :110VAC S2 :220VAC S6 :24VAC S7 :12VDC S9 :24VDC	Blank :W/O LED L :W/L LED	Blank :Standard E :Ex-proof coil

■ How to order Repair kit

ZGPU220A	—	03	N
Repair kit	Port size	Diaphragm	
ZGPU220A (Normally closed) ZGPU220AN (Normally open)	03 :3/8", 1/2" 06 :3/4" 08 :1"	N :NBR V :VITON E :EPDM H :HNBR	

Description	Qty.
Diaphragm set	1
Spring	1
Packing	1

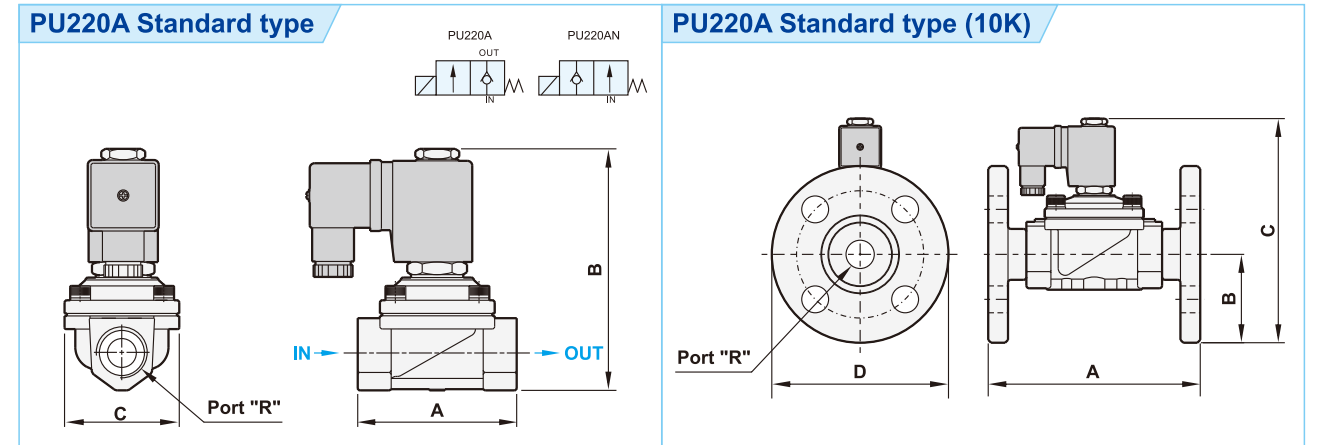
■ Specifications

Model	PU220A-03	PU220A-04	PU220A-06	PU220A-08
Port size	3/8"	1/2"	3/4"	1"
Fluid	Compressed air (light oil, water)			
Orifice	Ø13mm	Ø13mm	Ø20mm	Ø25mm
Effective area	76mm²	76mm²	162mm²	220mm²
Acting	Assisted Lift			
Construction	Diaphragm			
Operating pressure range AC	0 ~ 7 kgf/cm²			
Operating pressure range DC	0 ~ 6 kgf/cm²		0 ~ 5 kgf/cm²	
Proof pressure	10 kgf/cm²			
Body material / Flange material	Forged Brass / Steel SS41			
Fluid temperature	-10℃ ~ 90℃			
Ambient temp0erature	-10℃ ~ 60℃			
Installation	Horizontal			
Duty cycle	100% ED			
Coil type	DIN			
Protection class	IP65 (DIN 40 050)			
Insulation class	F			
Voltage tolerance	±10%			
Standard voltage	220VAC, 110VAC, 24VDC, the other voltage is optional			
Power consumption	AC110V: 17.6VA, AC220V: 18.1VA,DC:15W (DC: 18.5W option)			
Net weight	740g	740g	945g	1485g

■ Seal material selection guide

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

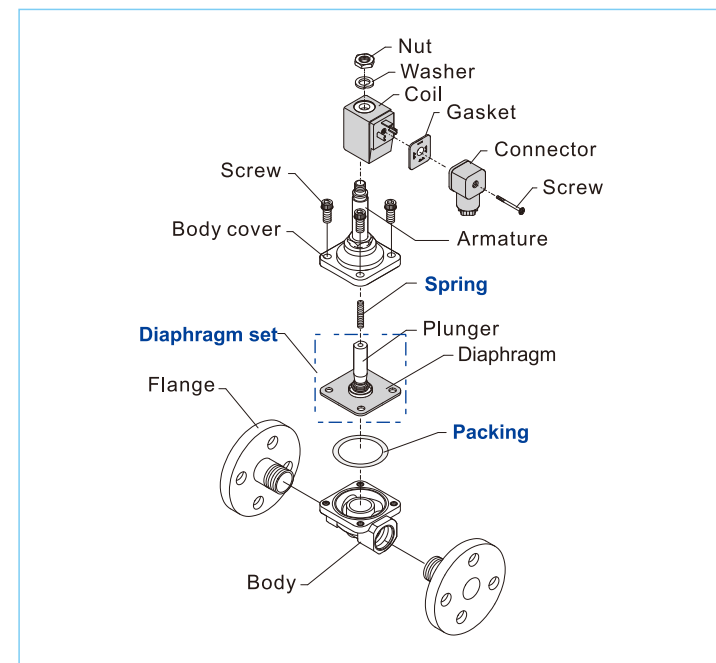
■ Dimensions



Model	PU220A-03	PU220A-04	PU220A-06	PU220A-08
R	3/8"	1/2"	3/4"	1"
A	66.5	66.5	71	96
B	101	101	107	120.5
C	48	48	58	70.7

Model	PU220AF-03	PU220AF-04	PU220AF-06	PU220AF-08
R	3/8"	1/2"	3/4"	1"
A	110	110	120	150
B	45	47.5	50	62.5
C	130.5	133	138.5	158.5
D	90	95	100	125

■ Explosion



■ Flow chart

