

Features

- Quick response.
- Ex-proof coil is available, please refer to page 5-9.
- Timer for setting on/off time as optional accessory.
- Available for vacuum conditions.
- Stainless steel stem provides exceptional durability.
- Coil nut is available, please refer to page 5-3.
- CE conformity.



How to order

SPU220AR	N	E	—	01	1	N	—	S1	L	E
2/2 way direct acting	Acting style	Diaphragm	Port size	Orifice	Thread	Voltage	Led	Ex-Proof coil		
	Blank :Normally closed N :Normally open (For orifice Ø1.6, Ø2.4 only)	Blank :VITON E :EPDM B :NBR H :HNBR	01 : 1/8" (Not available for orifice Ø5.0) 02 : 1/4"	1 :Ø1.6 2 :Ø2.4 3 :Ø3.2 4 :Ø4.0 5 :Ø5.0	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

ZGSPU220AR	—	01	N
Repair kit	Port size	Diaphragm	
ZGSPU220AR (Normally closed) ZGSPU220ARN (Normally open)	01 : 1/8", 1/4"	N:NBR V:VITON E:EPDM H:HNBR	

Description	Qty.
Plunger	1
O-ring	1

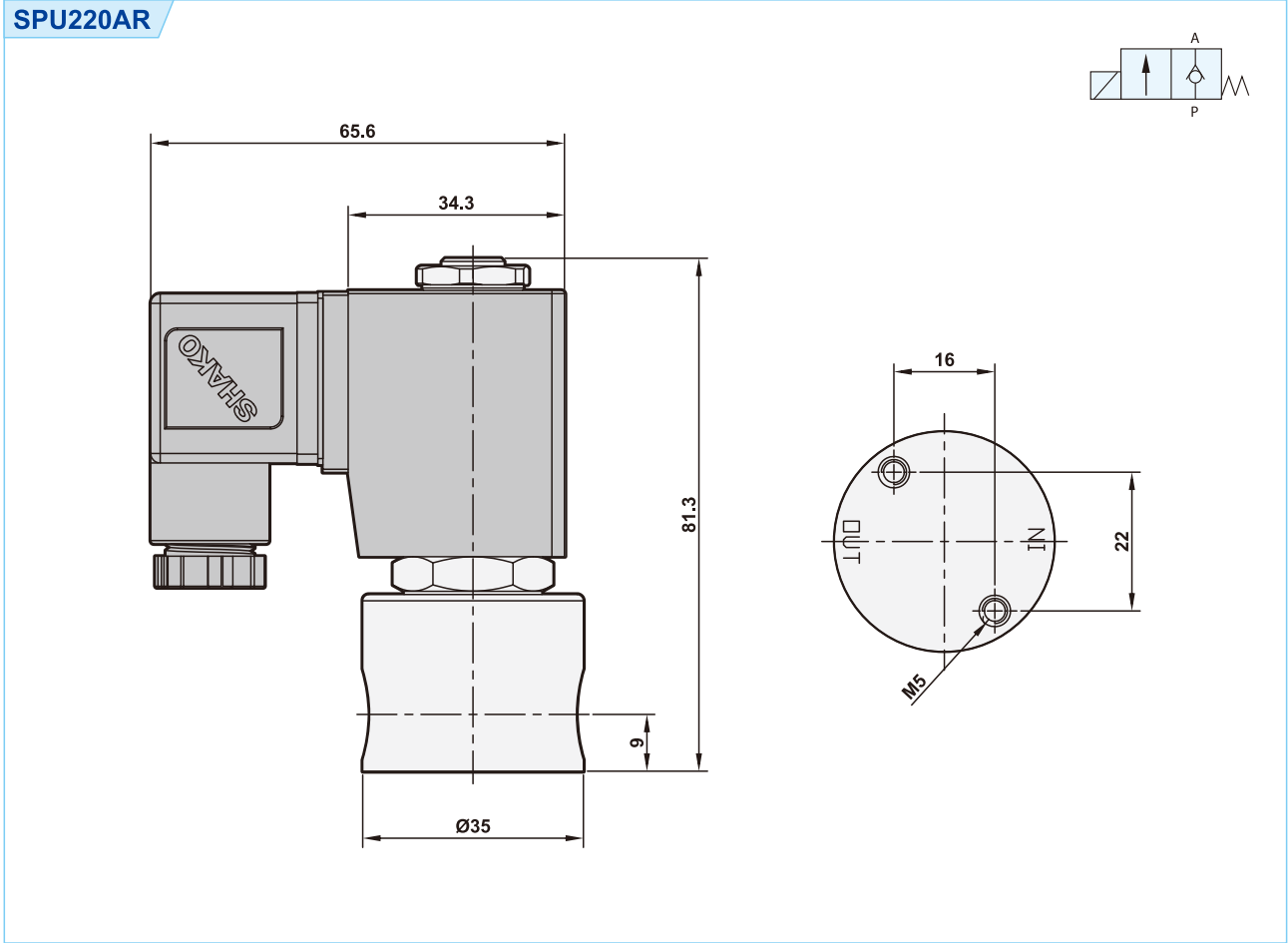
Specifications

Model	SPU220AR-01	SPU220AR-02
Port size	1/8"	1/4"
Fluid	Compressed air (light oil, water)	
Acting	Direct acting	
Operating pressure range	Please refer to operating pressure table (P4-8).	
Body material	Stainless steel SUS316	
Fluid temperature	-10°C ~ 90°C	
Ambient tempoerature	-10°C ~ 60°C	
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	242g	232g

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



Operating pressure table

Model	SPU220AR Normally closed (kgf/cm ²)				
Orifice	Ø1.6	Ø2.4	Ø3.2	Ø4.0	Ø5.0
Port size 1/8	0 ~ 20	0 ~ 10	0 ~ 7	0 ~ 5	—
Port size 1/4	0 ~ 20	0 ~ 10	0 ~ 7	0 ~ 5	0 ~ 4

Model	SPU220ARN Normally open (kgf/cm ²)	
Orifice	Ø1.6	Ø2.4
Port size 1/8	0 ~ 10	0 ~ 7
Port size 1/4	0 ~ 10	0 ~ 7