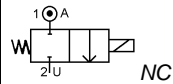


Media: air – water – gas – light oil – vacuum
 Pressure range: 0 to 20 Bar max
 Media temperature: -40°C to +80°C max
 Ambient temperature: -20°C to +50°C max
 Media viscosity: 40 centistokes max
 Mounting: any position
 Weight (including coil): 175g, 255g, 475g
 Opening or Closing time: 20 mSec Max



2/2 Brass

1/8 – 3/8

NORMALLY CLOSED

2 WAY DIRECT ACTING

0 – 20 Bar

TYPE PU220AR®



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Coil	Pressure Rating (Bar)			Max Media Temp °C	Seals	Part Number
				Min	AC Max	DC Max			
1/8	1.5	1.2	22001	0	8.5	7	NBR -15°C to +80°C VITON -10°C to +80°C	NBR EPDM FKM	PU22001A + voltage PU22001AE + voltage PU22001AV + voltage
	1.2	0.7	22001	0	16	10		NBR EPDM FKM	PU220012A + voltage PU220012AE + voltage PU220012AV + voltage
	0.8	0.5	22001	0	20	13		NBR EPDM FKM	PU220011A + voltage PU220011AE + voltage PU220011AV + voltage
1/4	2.3	2.0	22001	0	8.5	7	EPDM -5°C to +80°C HNBR -40°C to +80°C	NBR EPDM FKM	PU22002A + voltage PU22002AE + voltage PU22002AV + voltage
	1.5	1.2	22001	0	16	10		NBR EPDM FKM	PU220022A + voltage PU220022AE + voltage PU220022AV + voltage
	1.2	0.7	22001	0	20	13		NBR EPDM FKM	PU220021A + voltage PU220021AE + voltage PU220021AV + voltage
3/8	8.0	19.0	22003	0.1	10	7	As above except VITON -10°C to +180°C	NBR EPDM FKM	PU22003A + voltage PU22003AE + voltage PU22003AV + voltage
	8.0	19.0	22005	0.1	16	16		NBR EPDM FKM	PU22003A + voltage + 18W PU22003AE + voltage + 18W PU22003AV + voltage + 18W

OPTIONS

IP65 Coil & Connector PG9 – (DIN 43650 B 1/8 & 1/4 Ports or DIN 43650A 3/8 Port)	Included
ATEX 22001EX Coil: ATEX EExmII T4 II 2G & 2D IP65 T130°C (1/8 + 1/4)	
ATEX 22003EX Coil: ATEX EExmII T4 II 2G & 2D IP65 T130°C (3/8)	
NPT thread HNBR seals, degreased	

ELECTRICAL DATA

Voltage (-10% + 15%) Continuous duty 100%	Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
		Inrush	Holding			
~ 12 - 24 - 110 - 230 (50 or 60 Hz)	22001	11.6 VA	8.5 VA	F 155°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
= 6 - 12 - 24 - 48 (DC)		4.5 Watts				
~ 12 - 24 - 48 - 110 - 230 - 380 (50/60Hz)	22003	23VA	17VA	H 180°C		
= 12 - 24 - 48 - 110 - 220 (DC)		15 watts				
~ 24 - 48 - 110 - 230 (50/60 Hz)	22005	33VA	24VA	H 180°C		
= 12 - 24 - 48 - 110 - 220 (DC)		18.5 Watts				

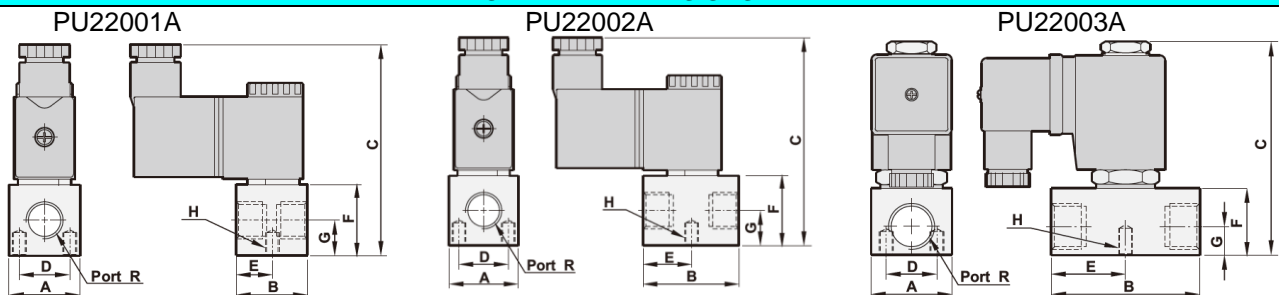
CONSTRUCTION

Body: Brass, Tube and internal parts: stainless steel
 Seals and gaskets: NBR (Optional EPDM, FKM or HNBR), Moulded Coil: ThermoSet Resin

REPAIR KIT

Coil	Coil size (22001 or 22003 or 22005) + voltage
Complete plunger + seal assembly	Coil size + seal material

OVERALL DIMENSIONS



Model	BSP	A	B	C	D	E	F	G	H
PU22001	1/8	22	22	72	15	11	22	7.5	M4xP0.7xL6.5
PU22002	1/4	25.4	35	75	18	17.5	25.4	12.7	M5xP0.8xL7.0
PU22003	3/8	30	55	79	18	27.5	25	11	M5xP0.8xL7.0