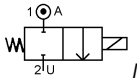
Media: air – water – gas – light oil – vacuum
Pressure range: 0 to 20 Bar max
Media temperature: -40°C to +80°C max
Ambient temperature: -10°C to +50°C max
Media viscosity: 40 centistokes max
Mounting: any position
Weight (including coil): 175 g, 255g, 475g
Opening or Closing time: 20 mSec Max



NC

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) Min	AC Max	DC Max	Seals	Max Media Temp °C	Part Number	
1/8	1.5	1.2	22001	0	8.5	7	NBR EPDM FKM	80 160 130	PU22001A + voltage PU22001AE + voltage PU22001AV + voltage	
	0.8	0.5	22001	0	20	13	NBR EPDM FKM	80 160 130	PU220011A + voltage PU220011AE + voltage PU220011AV + voltage	
	1.2	0.7	22001	0	16	10	NBR EPDM FKM	80 160 130	PU220012A + voltage PU220012AE + voltage PU220012AV + voltage	
1/4	2.3	2.0	22001	0	8.5	7	NBR EPDM FKM	80 160 130	PU22002A + voltage PU22002AE + voltage PU22002AV + voltage	
	1.2	0.7	22001	0	20	13	NBR EPDM FKM	80 160 130	PU220021A + voltage PU220021AE + voltage PU220021AV + voltage	
	1.5	1.2	22001	0	16	10	NBR EPDM FKM	80 160 130	PU220022A + voltage PU220022AE + voltage PU220022AV + voltage	
3/8	8.0	19.0	22003	0.1	10	7	NBR EPDM FKM	80 160 130	PU22003A + voltage PU22003AE + voltage PU22003AV + voltage	
	8.0	19.0	22005	0.1	16	16	NBR EPDM FKM	80 160 130	PU22003A + voltage + 18W PU22003AE + voltage + 18W PU22003AV + voltage + 18W	

OPTIONS

IP65 Coil & Connector PG9 – (DIN 43650 B 1/8 &1/4 Ports) (DIN 43650A 3/8 Port)
ATEX 22001EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C
ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C
NPT thread

ELECTRICAL DATA

Voltage (-10% + 15%) Continuous duty 100%		Coil	Power Consumption Inrush	Holding	Insulation class	Enclosure	Electrical connections
~	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
=	12 - 24 - 48(DC)		4.5 Watts				
~	12 – 24 – 48 – 110 – 230 -380 (50/60 Hz)	22003	23VA	17VA	H 180°C		
=	12 - 24 - 48 (DC)		15 watts				
~	24 - 48 - 110 - 230 (50/60 Hz)	22005	33VA	24VA			
=	12 - 24 - 48 - 110 - 220 (DC)		18.5 Watts				

CONSTRUCTION

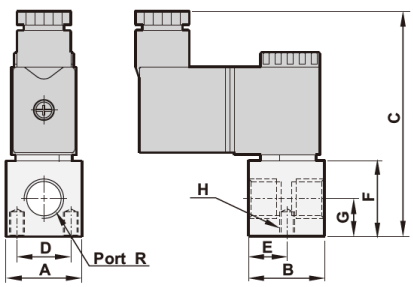
Body: Brass, Tube and internal parts: stainless steel
Seals and gaskets: NBR (Optional EPDM, FKM or HNBR), Moulded Coil: ThermoSet Resin

REPAIR KIT

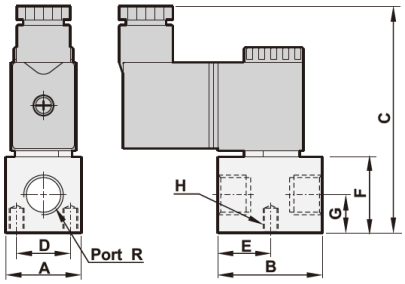
Coil	Coil size (22001 or 22003 or 22005) + voltage
Complete plunger assembly	Coil size + seal material

OVERALL DIMENSIONS

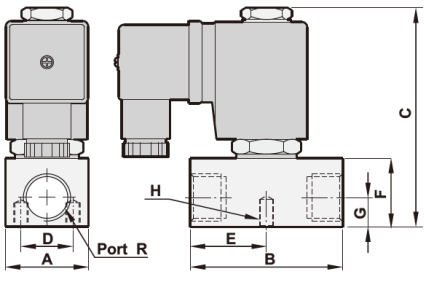
PU22001A



PU22002A



PU22003A



Model	R	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

Copyright (PU220AR 2017) whole or partial reproduction of this catalogue or page without written consent is strictly prohibited.