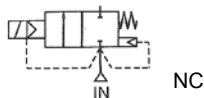


Media: air – water – light oil - vacuum  
 Pressure range: 0 to 10 bar max  
 Media temperature: 90° C max  
 Ambient temperature: -20° to +60° C max  
 Media viscosity: 50 centistokes max  
 Mounting: coil upright  
 Opening / Closing Time: 50 mSec Max



# 2/2 Brass

## N/CLOSED 2 WAY ASSISTED LIFT TYPE PU220 & AD



### PRESSURE

Ø Port	Ø Orifice (mm)	Flow Rate Cv Ltr/ min	Coil Size	Pressure Rating (bar)				Seals	Max Media Temp. °C	Part Number	List Price	
				Min	Max ΔP DC	Max ΔP AC	Max Working					
3/8 BSP	13	35	22003	0	5	8.5	10	NBR	90	PU22003 + voltage	£58.78	
								FKM	120		PU22003V + voltage	£72.57
								EPDM	120		PU22003E + voltage	£72.57
1/2 BSP	13	35	22003	0	5	8.5	10	NBR	90	PU22004A + voltage	£58.78	
								FKM	120		PU22004AV + voltage	£72.57
								EPDM	120		PU22004AE + voltage	£72.57
3/4 BSP	20	72	22003	0	5	8.5	10	NBR	90	PU22006A + voltage	£72.67	
								FKM	120		PU22006AV + voltage	£78.06
								EPDM	120		PU22006AE + voltage	£78.06
1 BSP	25	183	22003	0	5	7	10	NBR	90	PU22008A + voltage	£90.71	
								FKM	120		PU22008AV + voltage	£98.78
								EPDM	120		PU22008AE + voltage	£98.78
1 1/4 BSP	35	400	WPA2	0	7	10	10	NBR	90	AD35N + voltage	£196.10	
								FKM	120		AD35V + voltage	£215.70
								EPDM	120		AD35E + voltage	£215.70
								Silicone	120		AD35S + voltage	£215.70
1 1/2 BSP	35	400	WPA2	0	7	10	10	NBR	90	AD40N + voltage	£206.58	
								FKM	120		AD40V + voltage	£231.90
								EPDM	120		AD40E + voltage	£231.90
								Silicone	120		AD40S + voltage	£231.90
2 BSP	51	580	WPA2	0	5	7	10	NBR	90	AD50N + voltage	£425.37	
								FKM	120		AD50V + voltage	£445.62
								EPDM	120		AD50E + voltage	£445.62
								Silicone	120		AD50S + voltage	£445.62

### OPTIONS

Connector PG9 – DIN 43650 A	Included Included +£80.38 +10% +£26.94
IP65 Coil	
Explosion Proof Coil: EExmII T4 ATEX IIG IP65 T 130°C (Optional T6 T 85°C)	
NPT	
HTA2 Coil 200°C N Rated (WPA2 size only)	

### ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 100%	Coil Size	Power		Insulation class	Enclosure	Electrical connections
		Inrush	Holding			
~ 24 - 48 - 110 - 240 - 380 (50 or 60 Hz)	22003	23VA	17VA	H 180°C	IP 65 with connector	3 spades DIN 43650A DIN 40050 VDE 0110
= 12 - 24 - 48 - 110 (DC)		15 Watts				
~ 24 - 110 - 230 (50 or 60 Hz)	WPA2	40VA	24.2VA	F 155°C		
= 12 - 24 (DC)		18 Watts				

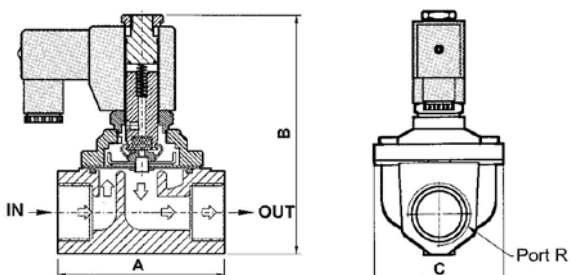
### CONSTRUCTION

Body: Brass  
 Tube and internal parts: Stainless steel  
 Seals and gaskets: NBR (Optional EPDM or FKM)  
 Moulded coil: Resin

### REPAIR KIT

Diaphragm seal	Valve part number + material
Coil	Coil size (22003 or WPA2) + voltage
Complete plunger + O' rings	KIT+ valve part number

### OVERALL DIMENSIONS



Model	PU220 03	PU220 04A	PU220 06A	PU220 08A	AD35	AD40	AD50
Port R	3/8	1/2	3/4	1	1 1/4	1 1/2	2
A	66.5	66.5	71.0	96.0	120	120	150
B	101.0	101.0	107.0	120.5	140	140	160
C	48.0	48.0	58.0	70.0	90	90	120
Kg	0.74	0.715	0.92	1.4	2.87	2.77	4.81

