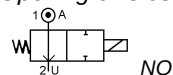


Media: air – water – gas – light oil - vacuum
 Pressure range: 0 to 10 Bar max
 Media temperature: 120°C max
 Ambient temperature: -10°C to +50°C max
 Media viscosity: 40 centistokes max
 Mounting: any position
 Weight (including coil) 280 g
 Opening or Closing time: 6 - 20 mSec Max



2/2 Stainless

1/8 – 1/4

NORMALLY OPEN

2 WAY DIRECT ACTING

0 – 10 Bar

TYPE JAX



PRESSURE

Ø Port BSPT	Ø Orifice (mm)	Flow	Pressure Rating (Bar)			Seals	Max Media Temp °C	Part Number	
		Kv Ltr/Min	Min	Max AC	Max DC				
1/8	1.6	0.8	0	10	7	NBR Viton EPDM	50 80 120	JA1BXN + voltage JA1BXV + voltage JA1BXE + voltage	
	2.4	1.6	0	7	5	NBR Viton EPDM	50 80 120	JA1CXN + voltage JA1CXV + voltage JA1CXE + voltage	
1/4	1.6	0.8	0	10	7	NBR Viton EPDM	50 80 120	JA2BXN + voltage JA2BXV + voltage JA2BXE + voltage	
	2.4	1.6	0	7	5	NBR Viton EPDM	50 80 120	JA2CXN + voltage JA2CXV + voltage JA2CXE + voltage	

OPTIONS

IP65 Coil & Connector PG9 – DIN 43650 A
 NPT Thread
 Seals: Viton (optional NBR or EPDM)

ELECTRICAL DATA

Voltage (-10% + 15%) Continuous duty 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 48 - 110 - 230 - 415 (50 or 60 Hz)	31400	48 VA	26 VA	F 155°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
=	12 - 24 (DC)		14 – 20 Watts				

CONSTRUCTION

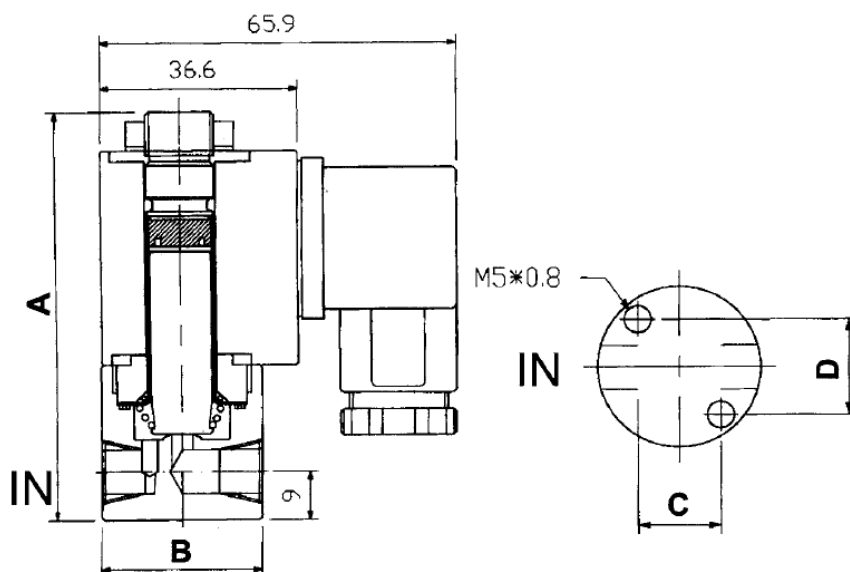
Body: AISI303 Stainless steel
 Tube and internal parts: stainless steel
 Head & plunger: 430Fr Stainless steel
 Seals and gaskets: FPM (Optional EPDM & NBR)
 Moulded coil: Resin

REPAIR KIT

Coil	31400 + voltage
Armature & Seal	SP + Valve Part Number -ARMATURE

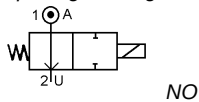
OVERALL DIMENSIONS

Port	A	B	C	D
1/8	89	30	15.2	17.8
1/4	91	35	16	22



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Media: air – water – light oil – vacuum (10⁻⁴ Torr)
 Pressure range: 0 to 10 Bar max
 Media temperature: 180°C max
 Ambient temperature: -10°C to +50°C max
 Media viscosity: 50 centistokes max
 Mounting: any position
 Opening Closing: 6-20 mSec Max



2/2 Stainless

1/8 – 1/2"

NORMALLY OPEN

2 WAY DIRECT ACTING

0 – 10 Bar

TYPE NOS612



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/min	Pressure Rating (Bar)			Max Media Temp °C	Part Number
			Min	AC Max	DC Max		
1/8	3.0	4	0	10	7	NBR (+80°C) EPDM (+100°C) FKM (+120°C) Silicone (+120°C)	NOS6A + seal + voltage
	4.0	5.5	0	6	4.2		NOS6B + seal + voltage
	5.0	7.2	0	4	2.8		NOS6C + seal + voltage
1/4	3.0	4	0	10	7	FKM (+120°C) Silicone (+120°C)	NOS8A + seal + voltage
	4.0	5.5	0	6	4.2		NOS8B + seal + voltage
	5.0	7.2	0	4	2.8		NOS8C + seal + voltage
3/8	4.0	5.5	0	6	4.2	*PTFE (+180°C)	NOS10A + seal + voltage
	6.0	10.5	0	2	1.4	*VST (+180°C)	NOS10B + seal + voltage
1/2	6.0	10.5	0	2	1.4		NOS12A + seal + voltage

OPTIONS

IP67 (EN60529:1991+A1:2000) UL & CSA Approved Coil & IP65 LED Connector PG11 – DIN 43650 A
 NPT Thread
 *PTFE seals 1/4 + 3/8
 *PTFE seals 1/2
 *VST, CR, ECO, HNBR or Hypalon Seals
 Silver shading ring (NOSXXX + seal + voltage)

ELECTRICAL DATA

Voltage (-10% + 15%) Continuous duty 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 110 - 230 (50/60 Hz)	WPG2	18.7VA	15.3VA	H 180°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
=	12 - 24 (DC)		18 Watts				

CONSTRUCTION

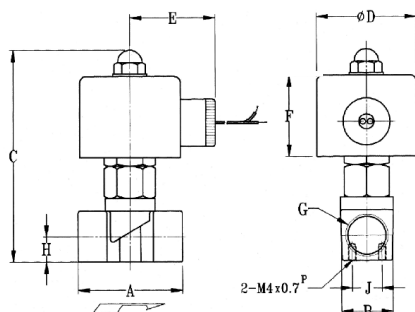
Body: Forged 316 stainless steel (CF8M)
 Tube 304 stainless steel, armature 430F stainless steel
 Shading ring: copper (Optional silver)
 Seals and gaskets: FKM (Optional EPDM - NBR – SILICONE – VST - PTFE)
 Moulded coil: Resin

REPAIR KIT

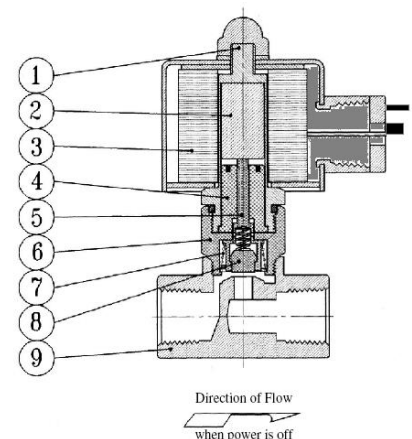
Coil	WPG2 + voltage
Armature Assembly	SP + Valve Part Number -ARMATURE

OVERALL DIMENSIONS

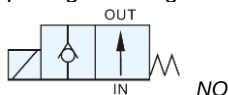
Model	A	B	C	D / E	F*	G	H	J	Kg
NOS8	41	19	108	40	38	1/4	10.5	15	0.5
NOS10	50	25	110	40	38	3/8	11.7	15	0.8
NOS12	55	27	112	40	38	1/2	13	n/a	0.95



Item	Article	Material
1	Solenoid Tube	Stainless
2	Slide Core	Stainless
3	Coil	Brass Wire
4	Armature Core	Stainless
5	Operating Spindle	Stainless
6	Joint Sleeve	Stainless
7	Spring	Stainless
8	Seat	NBR, Silicone, EPDM, FKM
9	Valve Body	316 Stainless



Media: air – water – light oil - vacuum
 Pressure range: 0 to 7 or 12 Bar max
 Media temperature: -40°C 150°C max
 Ambient temperature: -40°C to +60°C max
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Opening / Closing Time: 50 mSec Max



2/2 Stainless

3/8 – 1

NORMALLY OPEN

2 WAY ZERO RATED

0 – 7 or 12 Bar

TYPE NOSPU220



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow	Pressure Rating (Bar)				Seals	Max Media Temp. °C	Part Number	
		Kv Ltr/ min	Min	DC Coil	AC Coil					
				18.5 Watt	15 Watt	18.5 Watt				
3/8	13	35	0		7		NBR FKM EPDM	80 120 150	NOSPU22003 + voltage NOSPU22003V + voltage NOSPU22003E + voltage	
1/2	13	35	0		7		NBR FKM EPDM	80 120 150	NOSPU22004A + voltage NOSPU22004AV + voltage NOSPU22004AE + voltage	
3/4	20	72	0		7		NBR FKM EPDM	80 120 150	NOSPU22006A + voltage NOSPU22006AV + voltage NOSPU22006AE + voltage	
3/8	13	35	0	12		12	NBR FKM EPDM	80 120 150	NOSPU22003 + voltage +18W NOSPU22003V + voltage+18W NOSPU22003E + voltage+18W	
1/2	13	35	0	12		12	NBR FKM EPDM	80 120 150	NOSPU22004A + voltage+18W NOSPU22004AV + voltage+18W NOSPU22004AE + voltage+18W	
3/4	20	72	0	12		12	NBR FKM EPDM	80 120 150	NOSPU22006A + voltage+18W NOSPU22006AV + voltage+18W NOSPU22006AE + voltage+18W	

OPTIONS

22003 IP65 CE Approved Coil & Connector PG9 – DIN 43650 A Connector
 ATEX 22003EX Coil: ATEX EExmIT4 II 2G & 2D IP65 T130°C (Max ΔP 3 Bar)
 NPT Thread
 HNBR seals same price as NBR & EPDM)

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 100%		Coil	Power Consumption		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 - 48 - 110 - 240 - 380 (50 or 60 Hz)	22005	33VA	24VA			
=	12 - 24 - 48 - 110 (DC)		18.5 Watts				

CONSTRUCTION

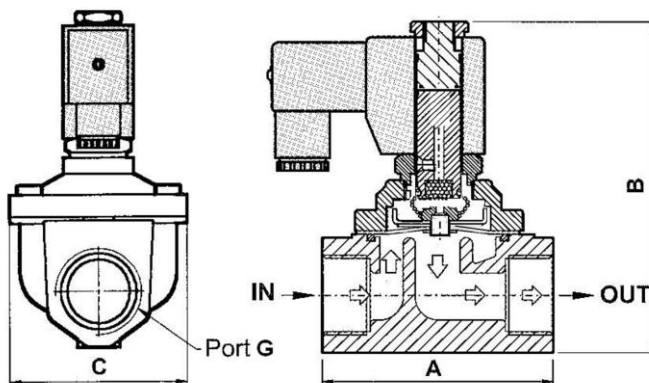
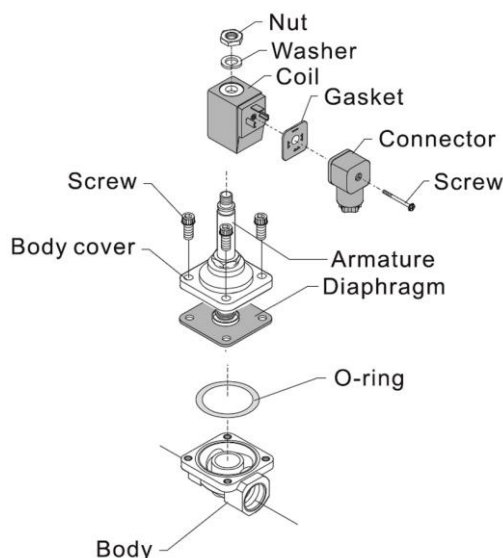
Body: 316 Stainless Steel (ATEX certified body ½ & ¾)
 Tube and internal parts: Stainless steel
 Seals and gaskets: FKM (Optional EPDM, NBR & HNBR)
 Nass Magnet Moulded coil: DuroPlast / ThermoSet Resin

REPAIR KIT

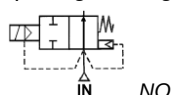
Diaphragm seal	22004 or 22006 + seal material
Coil	Coil size (22003 or 22005) + voltage

OVERALL DIMENSIONS

Model	NOSPU22003	NOSPU22004A	NOSPU22006A	NOSPU22008A
Port R	3/8	1/2	3/4	1
A	66.5	66.5	71.0	96.0
B	101.0	101.0	107.0	120.5
C	48.0	48.0	58.0	70.0
Kg	0.74	0.715	0.945	1.485



Media: air – water – gas – light oil
 Pressure range: 0.5 to 15 Bar max
 Media temperature: -40°C to +160°C Max
 Ambient temperature: -40°C to +60°C
 Media viscosity: 50 centistokes
 Mounting: coil upright
 Opening Closing Time: 50 mSec Max



2/2 Stainless

3/8 – 2

NORMALLY OPEN

2 WAY SERVO ASSISTED

0.5 – 15 Bar

TYPE NOSPU225®



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (Bar) ΔP		Max Working	Seals	Max Media Temp. °C	Part Number	
			Min	Max					
3/8	13	40.0	0.5	10	15	NBR FKM EPDM	80 130 160	NOSPU22503AN + voltage NOSPU22503AV + voltage NOSPU22503AE + voltage	
1/2	13	40.0	0.5	10	15	NBR FKM EPDM	80 130 160	NOSPU22504AN + voltage NOSPU22504AV + voltage NOSPU22504AE + voltage	
3/4	25	165.0	0.5	10	15	NBR FKM EPDM	80 130 160	NOSPU22506AN + voltage NOSPU22506AV + voltage NOSPU22506AE + voltage	
1	25	165.0	0.5	10	15	NBR FKM EPDM	80 130 160	NOSPU22508AN + voltage NOSPU22508AV + voltage NOSPU22508AE + voltage	
1 1/4	40	450	0.5	10	15	NBR FKM EPDM	80 130 160	NOSPU22512AN + voltage NOSPU22512AV + voltage NOSPU22512AE + voltage	
1 1/2	40	450	0.5	10	15	NBR FKM EPDM	80 130 160	NOSPU22514AN + voltage NOSPU22514AV + voltage NOSPU22514AE + voltage	
2	50	580	0.5	10	15	NBR FKM EPDM	80 130 160	NOSPU22520AN + voltage NOSPU22520AV + voltage NOSPU22520AE + voltage	

OPTIONS

IP65 Coil & Connector PG9 – DIN 43650 A
 ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C 
 NPT Thread
 Normally Open for RO / Pure/ Demin water (use 0543-83.6-00 with 22005 18.5 Watt DC Coil c/w DIN2R rectified connector for AC)

ELECTRICAL DATA

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

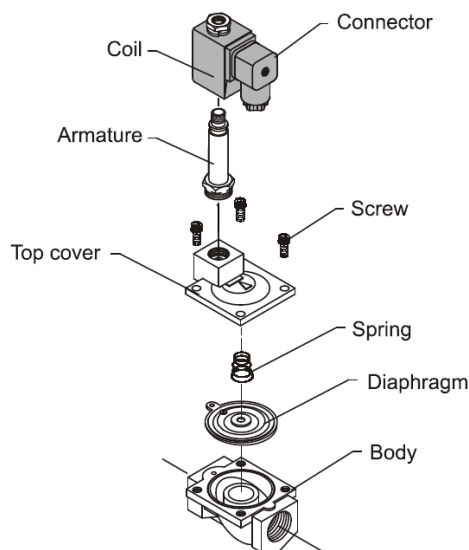
CONSTRUCTION

Body: 316 Stainless Steel (CF8M) ATEX Certified body
 Tube and internal parts: 304 + 430F Stainless steel
 Seals and gaskets: FKM (Optional NBR & EPDM & HNBR)
 Moulded coil: Duroplast / Thermo set resin

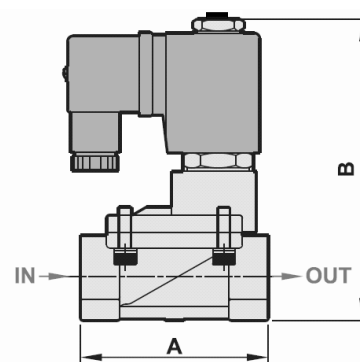
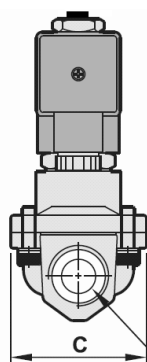
REPAIR KIT

Diaphragm seal	225 + port size code (03-20)+ material
Coil	22003 + Voltage
Complete plunger + O' rings (Normally Open)	225320VNO

OVERALL DIMENSIONS

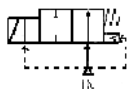


Model	NOSPU225 03 & 4A	NOSPU225 06A & 08A	NOSPU225 12A & 14A	NOSPU225 20A
Port	3/8 + 1/2	3/4 + 1	1 1/4	2
A	66.5	96	131.5	160
B	106.5	126	145.5	160
C	48	75	101	118
Kg	0.74Kg	1.565Kg	2.56Kg	3.44Kg



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Media: air – water – light oil – vacuum 10^{-3}
 Pressure range: 0 to 10 Bar max
 Media temperature: +120°C max
 Ambient temperature: -5° to +50°C max
 Media viscosity: 20 centistokes max
 Mounting: coil upright
 Opening / Closing 150 mSec Max



NO

2/2 Stainless

1/2 – 2"

NORMALLY OPEN

2 WAY ASSISTED CLOSE

0 – 10 Bar

TYPE SUW-NO



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (Bar) ΔP			Max Working	Seals	Part Number	
			Min	Max Water / Oil	Max Air / Gas				
1/2	15	75	0	5	7	10	NBR +80°C FKM +130°C Silicone +130°C EPDM +130°C	SUW15NON + voltage SUW15NOV + voltage SUW15NOS + voltage	
3/4	20	143	0	5	7	10		SUW20NON + voltage SUW20NOV + voltage SUW20NOS + voltage	
1	25	200	0	5	7	10		SUW25NON + voltage SUW25NOV + voltage SUW25NOS + voltage	
1 1/4	35	400	0	5	7	10		SUW35NON + voltage SUW35NOV + voltage SUW35NOS + voltage	
1 1/2	40	460	0	5	7	10		SUW40NON + voltage SUW40NOV + voltage SUW40NOS + voltage	
2	50	800	0	5	7	10		SUW50NON + voltage SUW50NOV + voltage SUW50NOS + voltage	

OPTIONS

IP65 Coil & Connector PG9 – DIN 43650 A
 NPT, BSPT

ELECTRICAL DATA

Voltage (AC -10% + 10%) (DC –1% + 1%) Continuous duty 90%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	110 – 230 (50 or 60 Hz)	WPC2	60VA	36VA	H 180°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
=	24 (DC)		29 Watts				

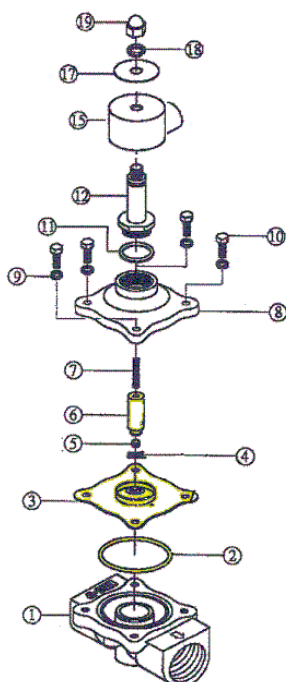
CONSTRUCTION

Body: 316 stainless steel (CF8M)
 Tube and internal parts: Stainless steel
 Seals and gaskets: FKM (Optional NBR or Silicone)
 Moulded coil: Resin

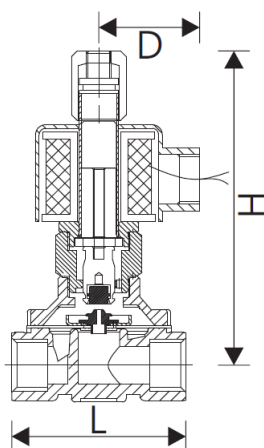
REPAIR KIT

Diaphragm seal	SUW + orifice + seal material
Coil	WPC2 + voltage
Armature assembly	SP + Valve Part Number -ARMATURE

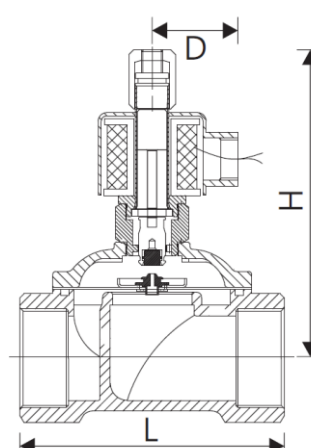
OVERALL DIMENSIONS



Port G	1/2	3/4	1	1 1/4	1 1/2	2
L	70	76	100	123	123	167
H	126	132	139	140	140	150
D	48	48	48	48	48	48
Width	56.5	78	78	94	94	120
Kg	1.1	1.2	1.8	3.2	3.5	5.4



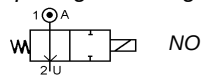
SUW15~25 NO



SUW-35~50 NO

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Media: air - water - light oil - vacuum
 Pressure range: 0 to 300 Bar max
 Media temperature: 100°C max
 Ambient temperature: -10° to +50°C max
 Media viscosity: 40 centistokes max
 Mounting: Vertical position coil up
 Weight (including coil): 500g
 Opening or closing time: 20 mSec max



2/2 Stainless

1/8 – 1/4

NORMALLY OPEN

2 WAYS DIRECT ACTING

0 – 300 Bar

TYPE WFH



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/Min	Coil	Pressure Rating (Bar)		Seals	Part Number	
				Min	Max			
1/8 Or 1/4	0.5	0.15	10065	0	300	PTFE NBR EPDM FKM	WF0.5H80 + port + voltage WF0.5H10 + port + voltage WF0.5H30 + port + voltage WF0.5H20 + port + voltage	
	0.6	0.20	31400	0	200	NBR FKM	WF0.6H10 + port + voltage WF0.6H20 + port + voltage	
	0.8	0.30		0	130	NBR FKM	WF0.8H10 + port + voltage WF0.8H20 + port + voltage	
	0.9	0.40		0	100	NBR FKM	WF0.9H10 + port + voltage WF0.9H20 + port + voltage	
	1	0.50		0	70	NBR FKM EPDM	WF1H10 + port + voltage WF1H20 + port + voltage WF1H30 + port + voltage	
	1.2	0.67		0	50	NBR FKM EPDM	WF1.2H10 + port + voltage WF1.2H20 + port + voltage WF1.2H30 + port + voltage	
	1.5	0.95		0	35	NBR FKM EPDM	WF1.5H10 + port + voltage WF1.5H20 + port + voltage WF1.5H30 + port + voltage	
	2	1.60		0	20	NBR FKM EPDM	WF2H10 + port + voltage WF2H20 + port + voltage WF2H30 + port + voltage	
	2.2	1.80		0	15	NBR FKM EPDM	WF2.2H10 + port + voltage WF2.2H20 + port + voltage WF2.2H30 + port + voltage	
	2.5	2.30		0	12	NBR FKM EPDM	WF2.5H10 + port + voltage WF2.5H20 + port + voltage WF2.5H30 + port + voltage	

OPTIONS

IP65 Coil & Connector DIN 43650 A PG9

NPT 1/8 + 1/4 thread

Seals and gaskets in PTFE

Explosion Proof Enclosure ATEX II 2 G/D EexdIICT6, IP65



ELECTRICAL DATA

Voltage (-10% + 15%) Continuous duty 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24-48-110-230 (50 / 60 Hz)	10065	48 VA	24 VA	F 155°C	IP 65 with connector	3 spades DIN 43650A DIN 40050 VDE 0110
=	12-24-48		14 W - 20 W				
~	24-48-110-230 (50 / 60 Hz)	31400	37VA	20VA			
=	12-24-48		14 – 20 Watts				

CONSTRUCTION

Body, tube and internal parts: Stainless Steel

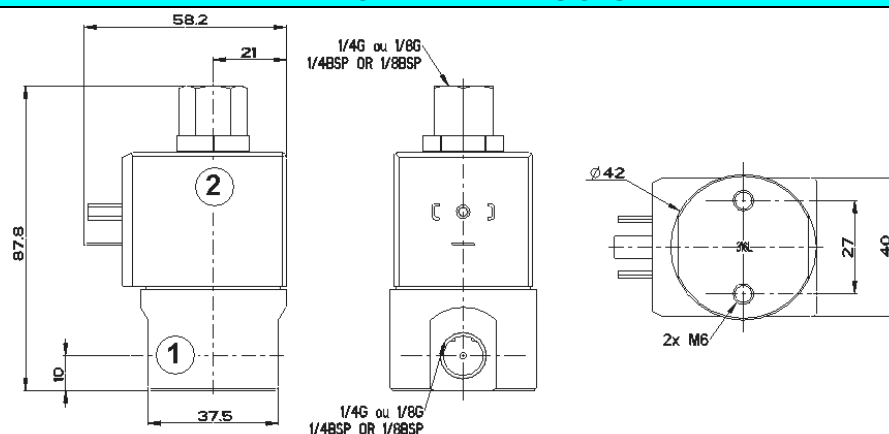
Seals and gaskets: NBR-FKM-EPDM

Moulded coil: resin

REPAIR KIT

Coil	10065 + voltage
Complete plunger	KIT + valve part number

OVERALL DIMENSIONS



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