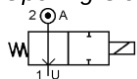


Media: air – water – gas – light oil - vacuum
 Pressure range: 0 to 20 Bar max
 Media temperature: 100°C max
 Ambient temperature: -10° to +50°C max
 Media viscosity: 40 centistokes max
 Mounting: any position
 Weight (including coil): 300 g
 Opening Closing time: 20 mSec Max



NO

2/2 Brass

1/8 – 1/4

NORMALLY OPEN

2 WAY DIRECT ACTING

0 – 20 Bar

TYPE 200201NO



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv L/min	Pressure Rating (Bar)			Part Number
			Min	AC Max 10 Watt Coil	DC Max 18 Watt Coil	
1/8	1.5	0.65	0	20	20	215201 + seal + 0180 + voltage
	2	1	0	16	16	220201 + seal + 0180 + voltage
	2.5	1.4	0	12	12	225201 + seal + 0180 + voltage
	3.5	2.1	0	5	5	235201 + seal + 0180 + voltage
1/4	1.5	1.2	0	20	20	215201 + seal + 0140 + voltage
	2	1.5	0	16	16	220201 + seal + 0140 + voltage
	2.5	2.2	0	12	12	225201 + seal + 0140 + voltage
	3.5	4.9	0	5	5	235201 + seal + 0140 + voltage
	4.5	6.2	0	3	3	245201 + seal + 0140 + voltage
	5.2	7.9	0	1.5	1.5	252201 + seal + 0140 + voltage

OPTIONS

IP65 Coil & Connector PG9 – DIN 43650 A
 High power 18 – 20 watt coil (higher DC pressure ratings)
 NPT Thread

ELECTRICAL DATA

Voltage (-10% + 15%) Continuous duty 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 48 - 110 - 230 (50 or 60 Hz)	11630	26 VA	14 VA	F 155°C	IP 65 with connector	3 spades DIN 43650A DIN 40050 VDE 0110
=	12 - 24 – 48 – 80 – 190 (DC)	11630	10 Watts				
		31400	14 – 20 Watts				

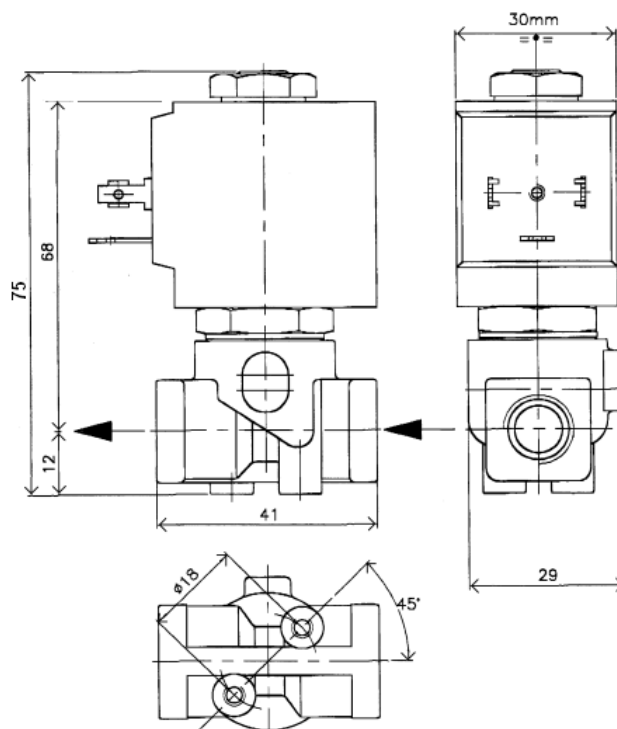
CONSTRUCTION

Body: Brass
 Tube and internal parts: 304 stainless steel, armature 430F stainless steel
 Seals and gaskets: NBR (Optional EPDM or FKM)
 Moulded coil: Resin

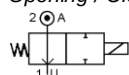
REPAIR KIT

Coil	Coil size (11630 or 31400) + voltage
Complete armature assembly	SP + Valve Part Number -ARMATURE

OVERALL DIMENSIONS



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: 50 centistokes max
 Mounting: any position
 Opening / Closing time: 20 mSec Max



NO

2/2 Brass

1/8 – 1/2

NORMALLY OPEN

2 WAY DIRECT ACTING

0 – 10 Bar

TYPE NOAD612



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/min	Pressure Rating (Bar)			Seals	Part Number
			Min	Max AC	Max DC		
1/8	3.0	4	0	10	7	NBR +80°C SILICONE +120°C EPDM +120°C FKM +120°C *PTFE +120°C *VST +120°C	NOAD6A + seal + voltage
	4.0	9.7	0	6	4		NOAD6B + seal + voltage
	5.0	10.7	0	4	2.8		NOAD6C + seal + voltage
1/4	3.0	4.3	0	10	7		NOAD8A + seal + voltage
	4.0	9.7	0	6	4		NOAD8B + seal + voltage
	5.0	10.7	0	4	2.8		NOAD8C + seal + voltage
3/8	4.0	9.7	0	6	4		NOAD10A + seal + voltage
	6.0	13.2	0	2	1.4		NOAD10B + seal + voltage
1/2	6.0	13.2	0	2	1.4		NOAD12A + seal + voltage

OPTIONS

IP67 (EN60529:1991+A1:2000) UL + CSA Approved Coil & IP65 LED Connector PG11 – DIN 43650 A

* VST, CR, ECO, HNBR or Hypalon Seals

* PTFE seals 1/8 to 3/8

* PTFE seals 1/2

NPT Thread

Other custom made options available upon request

ELECTRICAL DATA

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

CONSTRUCTION

Body: Brass

Tube 304 stainless steel, armature 430F stainless steel

Shading ring: copper (optional Silver)

Seals and gaskets: FKM (Optional EPDM, NBR, SILICONE, PTFE, VST, CR, ECO, HNBR and Hypalon)

Moulded coil: Resin

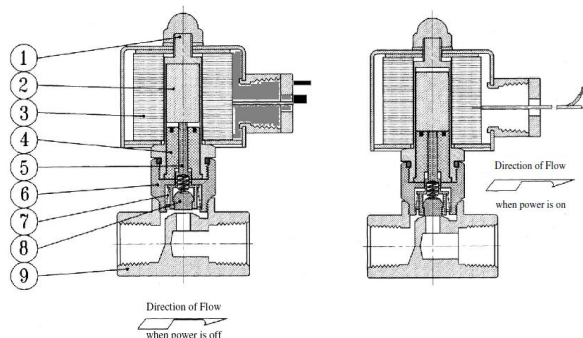
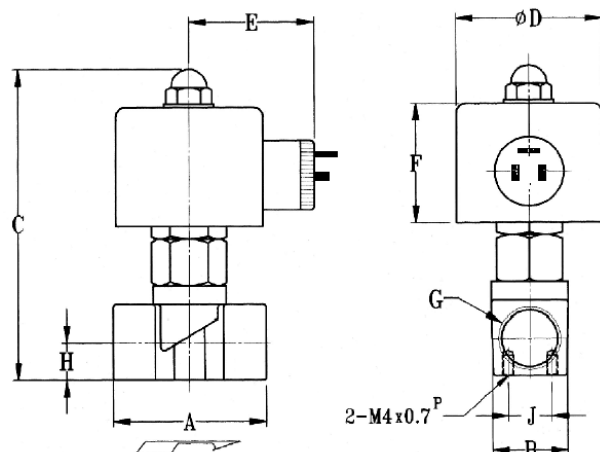
REPAIR KIT

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

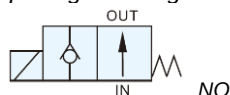
OVERALL DIMENSIONS

Model	A	B	C	D / E	F*	G	H	Kg
NOAD 6/8	41	19	108	40/65	38	15	10.5	0.52
NOAD 10	50	25	110	40/65	38	15	11.7	0.8
NOAD 12	55	27	112	40/65	38	-	13	0.95

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



Media: air – water – light oil - vacuum
 Pressure range: 0 to 7 or 12 Bar max
 Media temperature: -40°C to +150°C max
 Ambient temperature: -20°C to +60°C max
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Opening / Closing Time: 50 mSec Max



2/2 Brass

3/8 – 1"

NORMALLY OPEN

2 WAY ZERO RATED

0 - 7 or 0 - 12 Bar

TYPE NOPU220



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (Bar)				Seals	Max Media Temp. °C	Part Number	
			Min	AC Coil		DC Coil				
				15 Watt	18.5 Watt	18.5 Watt				
3/8	13	35	0	7			NBR FKM EPDM	80 120 150	NOPU22003 + voltage NOPU22003V + voltage NOPU22003E + voltage	
1/2	13	35	0	7			NBR FKM EPDM	80 120 150	NOPU22004A + voltage NOPU22004AV + voltage NOPU22004AE + voltage	
3/4	20	72	0	7			NBR FKM EPDM	80 120 150	NOPU22006A + voltage NOPU22006AV + voltage NOPU22006AE + voltage	
1	25	183	0	7			NBR FKM EPDM	80 120 150	NOPU22008A + voltage NOPU22008AV + voltage NOPU22008AE + voltage	
3/8	13	35	0		12	12	NBR FKM EPDM	80 120 150	NOPU22003 + voltage +18W NOPU22003V + voltage+18W NOPU22003E + voltage+18W	
1/2	13	35	0		12	12	NBR FKM EPDM	80 120 150	NOPU22004A + voltage+18W NOPU22004AV + voltage+18W NOPU22004AE + voltage+18W	
3/4	20	72	0		12	12	NBR FKM EPDM	80 120 150	NOPU22006A + voltage+18W NOPU22006AV + voltage+18W NOPU22006AE + voltage+18W	
1	25	183	0		12	12	NBR FKM EPDM	80 120 150	NOPU22008A + voltage+18W NOPU22008AV + voltage+18W NOPU22008AE + voltage+18W	

OPTIONS

22003 IP65 CE Approved Coil & Connector PG9 – DIN 43650 A Connector
 ATEX 22003EX Coil: ATEX EExmII T II 2G & 2D IP65 T130°C (Max ΔP 3 Bar)
 NPT Thread
 Seals: NBR, (Optional FKM, EPDM or HNBR)

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/ 60 Hz)	22003	23VA	17VA	H 180°C	IP 65 with connector	3 spades DIN 43650A DIN 40050 VDE 0110
=	12 - 24 - 48 - 110 – 220 (DC)		15 Watts				
~	24 - 48 - 110 - 240 - 380 (50/ 60 Hz)	22005	33VA	24VA			
=	12 - 24 - 48 - 110 (DC)		18.5 Watts				

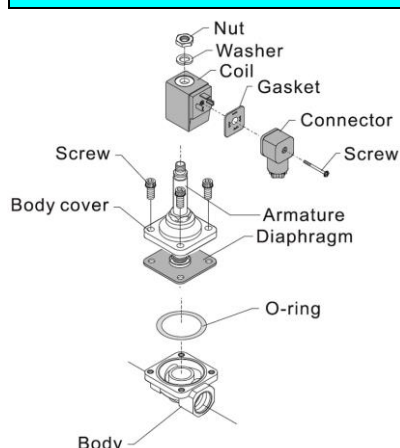
CONSTRUCTION

Body: Forged Brass SS41
 Tube and internal parts: Stainless steel
 Seals and gaskets: NBR (Optional EPDM, FKM or HNBR)
 Nass Magnet Moulded coil: DuroPlast / ThermoSet Resin

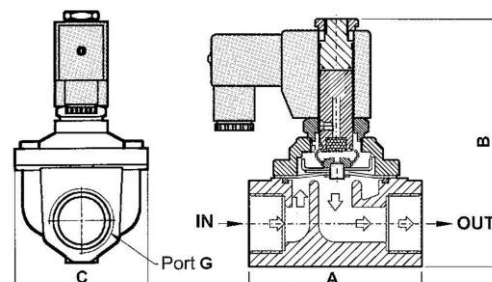
REPAIR KIT

Diaphragm seal	22004, 22006 or 22008 + seal material
Coil	Coil size (22003 or 22005) + voltage
Complete plunger assembly	225320 + seal material

OVERALL DIMENSIONS

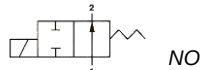


Model	NOPU22003	NOPU22004A	NOPU22006A	NOPU22008A
Port R	3/8	1/2	3/4	1
A	66.5	66.5	71.0	96.0
B	101.0	101.0	107.0	120.5
C	48.0	48.0	58.0	70.0
Kg	0.74	0.715	0.945	1.485



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Media: air – water – gas – light oil - vacuum
 Pressure range: 0 to 20 Bar max
 Media temperature: +120°C max
 Ambient temperature: -10°C to +50°C max
 Media viscosity: 50 centistokes max
 Mounting: any position
 Open or Close Time: 6-20 mSec Max



2/2 Brass

1/8 – 1/4

NORMALLY OPEN

2 WAY DIRECT ACTING

0 – 20 Bar

TYPE RB



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/min	Pressure Rating (Bar)		Seals	Part Number	
			Min	Max			
1/8	1.3	0.8	0	14	6 Watt Coil NBR FKM EPDM +80°C	RB031 + seal + voltage + 6W	
	1.5	1.5	0	10		RB032 + seal + voltage + 6W	
1/4	1.3	0.8	0	14		RB061 + seal + voltage + 6W	
	1.5	1.5	0	10		RB062 + seal + voltage + 6W	
1/8	1.3	0.8	0	20	6.8 Watt Coil NBR +90°C	RB031 + seal + voltage + 6.8W	
	1.5	1.5	0	15		RB032 + seal + voltage + 6.8W	
1/4	1.3	0.8	0	20	FKM +120°C	RB061 + seal + voltage + 6.8W	
	1.5	1.5	0	15	EPDM +120°C	RB062 + seal + voltage + 6.8W	

OPTIONS

IP65 Coil & Connector PG9 – DIN 43650 A
 Explosion Proof 22001EX Coil: EExmII T4 II ATEX IP65 T 135°C (Pressure rating 50% as 6.8 Watt coil)
 NPT Thread
 Stainless 316 body (RSXXX + seal + S1 + voltage + watt)

ELECTRICAL DATA

Voltage (-10% + 15%) Continuous duty 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	12 -24 – 48 – 110 – 230 (50/60Hz)	822P5	15 VA	9.3 VA	F 155°C	IP 65 with connector	3 spades DIN 43650A DIN 40050 VDE 0110
=	24 – 48 – 110 – 240 (DC)		6 Watts				
~	24 - 48 - 110 - 230 (50/ 60Hz)	830P6	17 VA	10.5 VA			
=	12 - 24 (DC)		6.8 Watts				

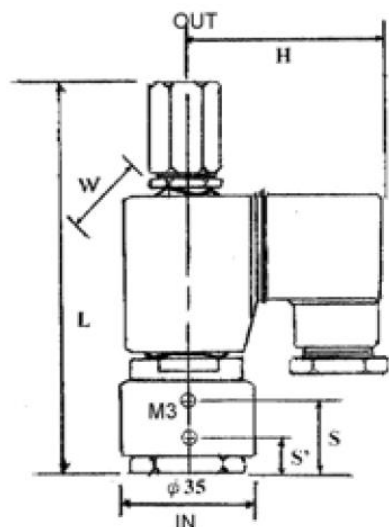
CONSTRUCTION

Body: Brass
 Tube and internal parts: Stainless steel
 Seals and gaskets: NBR or FKM or EPDM
 Moulded coil: Duroplast / Thermo set resin

REPAIR KIT

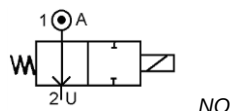
Coil	822P5 or 830P6 + voltage
Complete plunger + O 'rings	SP + Valve Part Number -ARMATURE

OVERALL DIMENSIONS



	L	H	W	S	S'	Kg
RB03	70	55	22/30	-	-	0.2
RB06	70	55	22/30	-	-	0.2

Media: air – water – light oil – vacuum 10^{-3}
 Pressure range: 0 to 10 bar max
 Media temperature: 130° C max
 Ambient temperature: -5° to +60° C max
 Media viscosity: 20 centistokes max
 Mounting: coil upright



2/2 Brass

3/8 – 2"

NORMALLY OPEN

2 WAY ZERO RATED

0 – 10 Bar

TYPE UWNO



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 DC	Max AC					
3/8	15	75	0	5	7	10	NBR FKM SILICONE	80 120 130	UW10NON + voltage UW10NOV + voltage UW10NOS + voltage	
1/2	15	75	0	5	7	10	NBR FKM SILICONE	80 120 130	UW15NON + voltage UW15NOV + voltage UW15NOS + voltage	
3/4	20	143	0	5	7	10	NBR FKM SILICONE	80 120 130	UW20NON + voltage UW20NOV + voltage UW20NOS + voltage	
1	25	200	0	5	7	10	NBR FKM SILICONE	80 120 130	UW25NON + voltage UW25NOV + voltage UW25NOS + voltage	
1 1/4	35	400	0	5	7	10	NBR FKM SILICONE	80 120 130	UW35NON + voltage UW35NOV + voltage UW35NOS + voltage	
1 1/2	40	460	0	5	7	10	NBR FKM SILICONE	80 120 130	UW40NON + voltage UW40NOV + voltage UW40NOS + voltage	
2	50	800	0	5	7	10	NBR FKM SILICONE	80 120 130	UW50NON + voltage UW50NOV + voltage UW50NOS + 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				

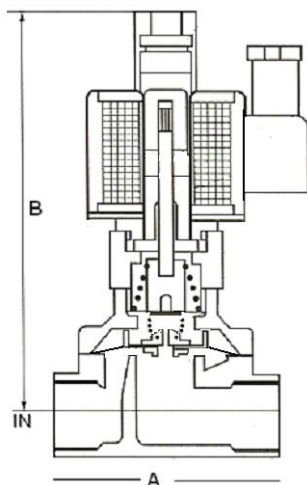
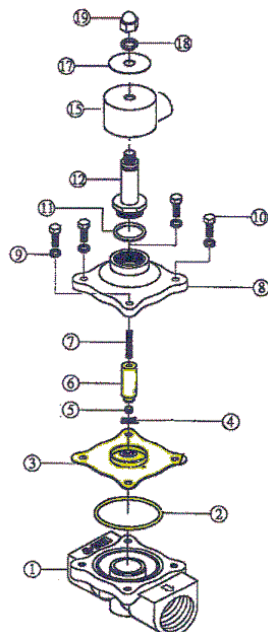
CONSTRUCTION

Body: up to 1" Forged Brass 1 1/4 – 2" Cast Bronze body
 Tube and internal parts: Stainless steel
 Seals and gaskets: NBR (Optional FKM or Silicone)
 Moulded coil: Resin

REPAIR KIT

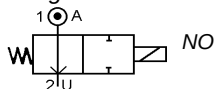
Diaphragm seal	UW + orifice + seal material
Coil	WPC2 + voltage
Armature assembly	SP + Valve Part Number -ARMATURE

OVERALL DIMENSIONS



Model	UW10	UW15	UW20	UW25	UW35	UW40	UW50
Port R	3/8	1/2	3/4	1	1 1/4	1 1/2	2
A	70	70	73	93	125	125	167
B	126	132	139	154	156	175	175
Width	56.5	56.5	78	78	94	94	120
Kg	1.1	1.1	1.2	1.8	3.2	3.5	5.4

Media: air - water - light oil- vacuum
 Pressure range: 0 to 200 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): 500 g
 Opening or closing time: 20 m/sec max



2/2 Brass

1/8 – 1/4

NORMALLY OPEN

2 WAY DIRECT ACTING

0 – 200 Bar

TYPE WF



PRESSURE

Ø Port	Ø seat (mm)	Kv L/mn	Min	Pressure (Bar)	seals	Part Number	List Price
1/8 or 1/4 BSP	0.6	0.20	0	200	NBR FKM	WF0.6NBR + port + voltage WF0.6FKM + port + voltage	
	0.8	0.30	0	130	NBR FKM	WF0.8 NBR + port + voltage WF0.8 FKM + port + voltage	
	0.9	0.40	0	100	NBR FKM	WF0.9 NBR + port + voltage WF0.9 FKM + port + voltage	
	1	0.50	0	70	NBR FKM EPDM	WF1 NBR + port + voltage WF1 FKM + port + voltage WF1 EPDM + port + voltage	
	1,2	0.67	0	50	NBR FKM EPDM	WF1.2 NBR + port + voltage WF1.2 FKM + port + voltage WF1.2 EPDM + port + voltage	
	1,5	0.95	0	35	NBR FKM EPDM	WF1.5 NBR + port + voltage WF1.5 FKM + port + voltage WF1.5 EPDM + port + voltage	
	2	1.60	0	20	NBR FKM EPDM	WF2 NBR + port + voltage WF2 FKM + port + voltage WF2 EPDM + port + voltage	
	2,2	1.80	0	15	NBR FKM EPDM	WF2.2 NBR + port + voltage WF2.2 FKM + port + voltage WF2.2 EPDM + port + voltage	
	2,5	2.30	0	12	NBR FKM EPDM	WF2.5 NBR + port + voltage WF2.5 FKM + port + voltage WF2.5 EPDM + port + voltage	

OPTIONS

Connector DIN 43650 A & IP65 connector
 NPT thread

Seals and gaskets in PTFE

Explosion Proof Enclosure ATEX II 2 G/D EEx d IIC T6, IP65 85°C (Ambient T° from -20°C to +40°C)



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)	31400	48 VA	24 VA	F 155°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
=	12-24-48		14 W - 20 W				

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

