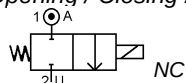


Media: vacuum - air – water – steam
 Pressure range: 0 to 10 Bar max
 Media temperature: -10°C to +180°C Max
 Ambient temperature: -20°C to +50°C
 Media viscosity: 50 centistokes max
 Mounting: upright (+/- 15° from vertical)
 Opening / Closing 200 mSec Max



2/2 Bronze Steam

11/4 - 2

NORMALLY CLOSED

2 WAY DIRECT ACTING

0 – 10 Bar

TYPE MK32-50S



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (bar)ΔP				Part Number
			Min	Max Steam	Max Air/ Water	Max Oil	
11/4	33	217	0	10	8	7	MK32SM20 + voltage
11/2	43	300	0	10	8	7	MK40SM20 + voltage
2	53	383	0	10	8	7	MK50SM20 + voltage

OPTIONS

IP65 Coil & Connector
 Flange PN16 or ANSI150Lb

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 50% 1 Hour Max		Coil	Power		Insulation class	Enclosure	Electrical Connections
			Inrush	Holding			
~	110 - 230 (50 or 60 Hz)	M20	79VA	48VA	H 180°C	IP65 with connector	3 spades DIN43650 DIN40050 VDE0110

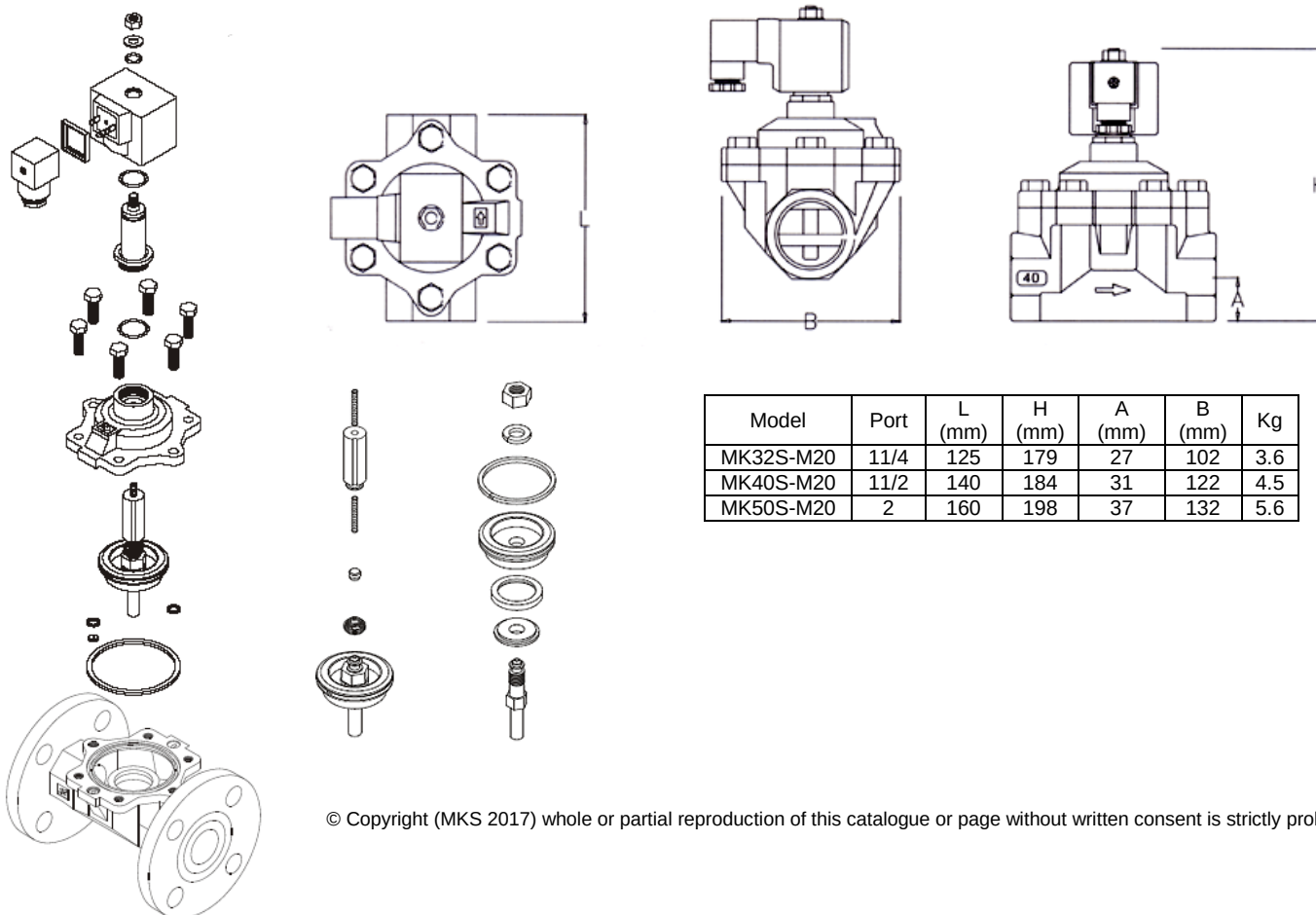
CONSTRUCTION

Body: Bronze BC6
 Piston: Stainless steel 303,304, KM31 and Bronze BC6, PTFE
 Tube: Stainless steel 304 & KM31
 Seals and gaskets: PTFE & Graphite impregnated PTFE

REPAIR KIT

Coil	M20 + Voltage
Complete plunger + O' rings	KIT + valve part number

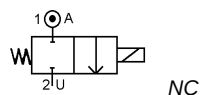
OVERALL DIMENSIONS



Model	Port	L (mm)	H (mm)	A (mm)	B (mm)	Kg
MK32S-M20	11/4	125	179	27	102	3.6
MK40S-M20	11/2	140	184	31	122	4.5
MK50S-M20	2	160	198	37	132	5.6

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

Media: vacuum - air – water – steam
 Pressure range: 0 to 10 Bar max
 Media temperature: -70°C to +180°C Max
 Ambient temperature: -20°C to +50°C
 Media viscosity: 50 centistokes max
 Mounting: upright (+/- 15° from vertical)



2/2 Bronze Steam

1/2 – 1”
 NORMALLY CLOSED
 2 WAY DIRECT ACTING
 0 – 10 Bar
 TYPE MKS



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/Min	Pressure Rating (Bar)				Part Number
			Min	Max Steam	Max Air / Water	Max Oil	
1/2	14	50	0	10	8	7	MK15SM17 + voltage
3/4	19	81	0	10	8	7	MK20SM17 + voltage
1	25	103	0	10	8	7	MK25SM17 + voltage

OPTIONS

IP65 Coil & PG11 DIN43650A Connector
 Flanged and other custom made options available upon request

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 90%		Coil	Power Consumption		Insulation class	Enclosure	Electrical Connections
			Inrush	Holding			
~	24 - 110 - 230 (50 or 60 Hz)	M17	35VA	26VA	H 180°C	IP65 With Connector	3 spades DIN43650 DIN40050 VDE0110
=	24 (DC)		19 Watts				

CONSTRUCTION

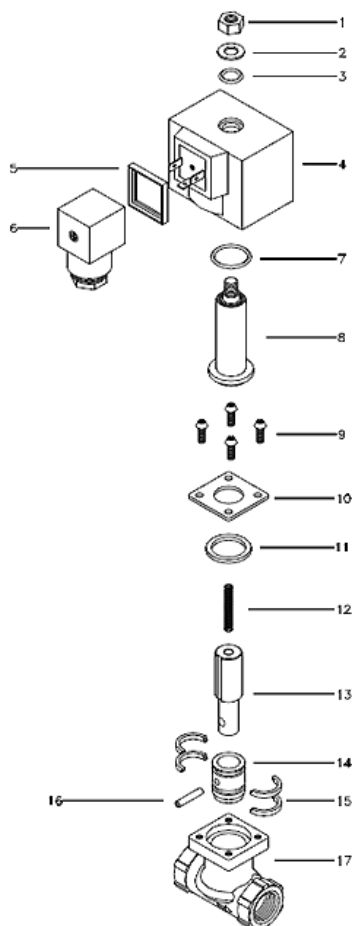
Body: Bronze BC6
 Piston: Stainless steel 303,304, KM31 and Bronze BC6, PTFE
 Tube: Stainless steel 304 & KM31
 Seals and gaskets: PTFE & Graphite impregnated PTFE

REPAIR KIT

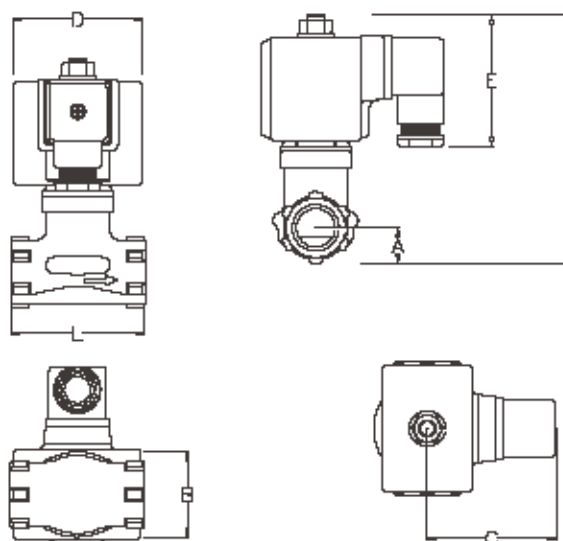
Coil	M17 + Voltage
Piston Kit	KIT + valve part number
Armature	SP + Valve Part Number -ARMATURE

OVERALL DIMENSIONS

Model	L	H	A	B	C	D	Port	Kg
MK15M17S	63	120	17	30	65	60	1/2	0.95
MK20M17S	74	128	19	33			3/4	1.4
MK25M17S	88	133	24	41			1	1.7



NO.	Description	Material
1	Nut	BSBM
2	Washer	SPC
3	O ring	Viton
4	H Class IP65 coil	
5	Din Connector Gasket	
6	DIN Connector	
7	O ring	Viton
8	Core Tube	SUS304,KM-31
9	Bolts	SUS304
10	Plate	SPC
11	Packing	TEFLON
12	Plunger spring	SUS304
13	Armature	KM-31
14	Piston	BC 6
15	Piston ring	TEFLON
16	Sleeve pin	SUS303L
17	Valve body	BC 6



© Copyright (MKS03032017) whole or partial reproduction of this catalogue or page without written consent is strictly prohibited.

Media: air – water – steam – light oil
 Pressure range: 0.3 to 10 Bar max
 Media temperature: -10°C to +180°C Max
 Ambient temperature: -20°C to +50°C
 Media viscosity: 50 centistokes max
 Mounting: upright (+/- 15° from vertical)
 Opening / Closing 200 mSec Max

2/2 Bronze Steam

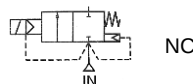
DN32 to DN50

NORMALLY CLOSED

2 WAY SERVO ACTING

0.3 – 10 Bar

TYPE MTF5



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow	Pressure Rating (Bar)ΔP				Part Number	
		Kv Ltr/ min	Min	Max Steam	Max Air/ Water	Max Oil		
DN32	33	217	0.3	10	8	7	MT32FSM17 + voltage	
DN40	43	300	0.3	10	8	7	MT40FSM17 + voltage	
DN50	53	383	0.3	10	8	7	MT32FSM17 + voltage	

OPTIONS

IP65 Coil & Connector
 Flange ANSI150Lb or JIS10K

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 50% 1 Hour Max		Coil	Power Consumption		Insulation class	Enclosure	Electrical Connections
			Inrush	Holding			
~	24 - 110 - 230 (50 or 60 Hz)	M17	35VA	26VA	N 200°C	IP65 with connector	3 spades DIN43650 DIN40050 VDE0110
=	24 (DC)		19 Watts				

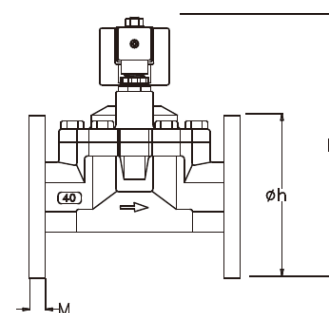
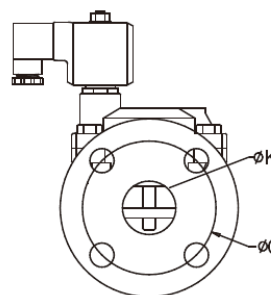
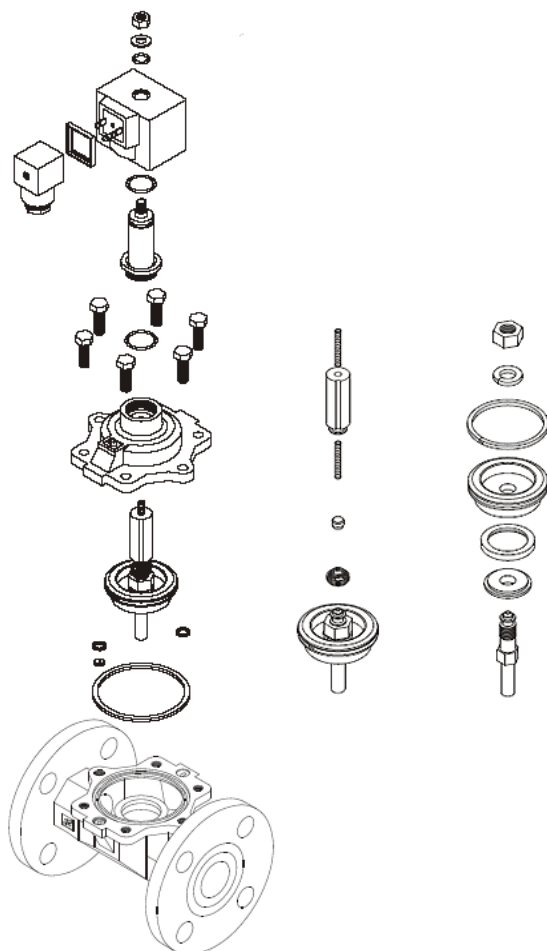
CONSTRUCTION

Body: Bronze BC6
 Piston: Stainless steel 303,304, KM31 and Bronze BC6, PTFE
 Tube: Stainless steel 304 & KM31
 Seals and gaskets: PTFE & Graphite impregnated PTFE

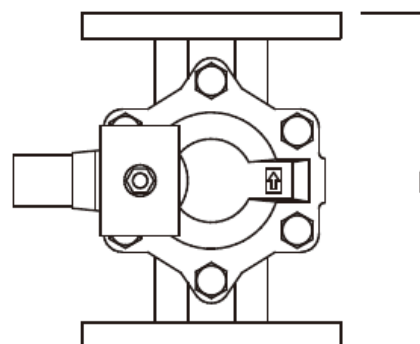
REPAIR KIT

Coil	M17 + Voltage
Complete plunger + O' rings	KIT + valve part number

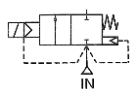
OVERALL DIMENSIONS



Model	Port	L (mm)	H (mm)	M (mm)	C (mm)	K (mm)	H (mm)
MT-32FS-M17	DN32	172	211	13	100	35	135
MT-40FS-M17	DN40	180	221	14	105	42	140
MT-50FS-M17	DN50	180	238	14	120	54	135



Media: air – water – steam – light oil
 Pressure range: 0.3 to 10 Bar max
 Media temperature: -10°C to +180°C Max
 Ambient temperature: -20°C to +50°C
 Media viscosity: 50 centistokes max
 Mounting: upright (+/- 15° from vertical)
 Opening / Closing 200 mSec Max



NC

2/2 Bronze Steam

1 1/4 - 2

NORMALLY CLOSED

2 WAY SERVO ASSISTED

0.3 – 10 Bar

TYPE MTS



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow	Pressure Rating (Bar)ΔP				Part Number
		Kv Ltr/ min	Min	Max Steam	Max Air/ Water	Max Oil	
1 1/4	33	367	0.3	10	8	7	MT32SM17 + voltage
1 1/2	43	500	0.3	10	8	7	MT40SM17 + voltage
2	53	800	0.3	10	8	7	MT32SM17 + voltage

OPTIONS

IP65 Coil & Connector
 Flange PN16, ANSI150Lb or JIS10K
 Normally open (+90C Max)

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 50% 1 Hour Max		Coil	Power Consumption		Insulation class	Enclosure	Electrical Connections
			Inrush	Holding			
~	24 - 110 - 230 (50 or 60 Hz)	M17	35VA	26VA	N 200°C	IP65 with connector	3 spades DIN43650 DIN40050 VDE0110
=	24 (DC) (12vdc with flying lead wires)		21 Watts				

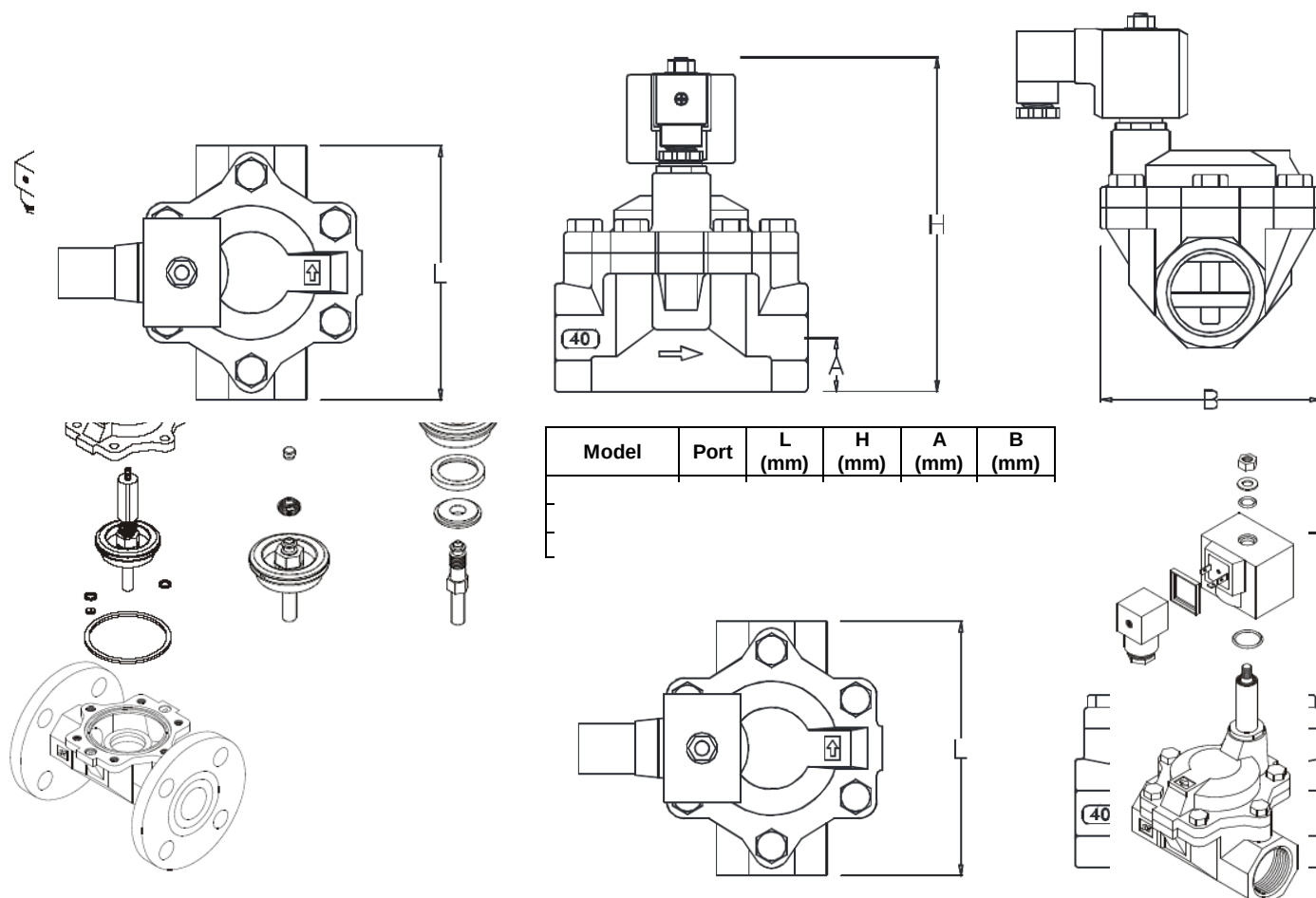
CONSTRUCTION

Body: Bronze BC6
 Piston: Stainless steel 303,304, KM31 and Bronze BC6, PTFE
 Tube: Stainless steel 304 & KM31
 Seals and gaskets: PTFE & Graphite impregnated PTFE

REPAIR KIT

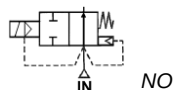
Coil	M17 + Voltage
Complete plunger + O' rings	KIT + valve part number

OVERALL DIMENSIONS



© Copyright (MTFS 040817) whole or partial reproduction of this catalogue or page without written consent is strictly prohibited.

Media: air – water – light oil - steam
 Pressure range: 0.5 to 20 Bar max
 Media temperature: +180°C Max
 Ambient temperature: -20° to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Opening / Closing 200 mSec Max



2/2 Steam

1/8 – 2

NORMALLY OPEN

2 WAY DIRECT/ SERVO

0 – 20 Bar

TYPE NOSA



PRESSURE

PRESSURE								
Ø Port BSP	Ø Orifice (mm)	Flow	Coil	Pressure Rating (Bar) ΔP			Part Number	
		Kv Ltr/ min		Min	Max Steam	Max Air/ Water		
1/8	3	5.2	WPG1	0	10	10	NOSA6A + voltage	
1/4				0	10	10	NOSA8A + voltage	
3/8	4	9.7	WPG2	0	10	10	NOSA10A + voltage	
	15	75		0.5	12	20	NOSA14 + voltage	
1/2				0.5	12	20	NOSA15 + voltage	
3/4	20	155		0.5	12	20	NOSA20 + voltage	
1	25	220		0.5	12	20	NOSA25 + voltage	
1 1/4	35	433		0.5	12	20	NOSA35 + voltage	
1 1/2	35	433		0.5	12	20	NOSA40 + voltage	
2	50	800		0.5	12	20	NOSA50 + voltage	

OPTIONS

IP67 (EN60529:1991+A1:2000) UL + CSA Approved Coil & IP65 LED Connector PG11 DIN43650A
 NPT Thread
 WPA3C IP65 (100% Rated N rated coil with 30cm flying leads 33.6 Watts 57VA)
 Other custom made options available upon request

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 90%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 110 - 230 (50 or 60 Hz)	WPG1	11.2VA	8.2VA	H 180°C	IP 65 With Connector	3 spades DIN 43650 DIN 40050 VDE0110
=	12 – 24 - 48 (DC)		12 Watts				
=	12 - 24 – 48 (DC)	WPG2	18.7VA	15.3VA			
~	24 - 110 - 230 (50 or 60 Hz)		18 Watts				

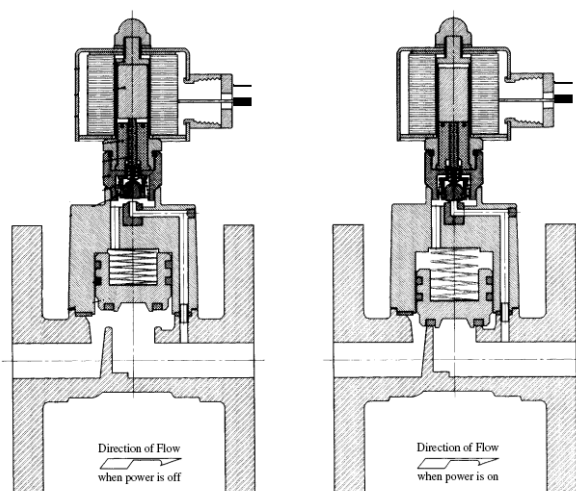
CONSTRUCTION

Body: Brass
 Tube and internal parts: Stainless steel
 Seals and gaskets: PTFE
 Moulded coil: Resin

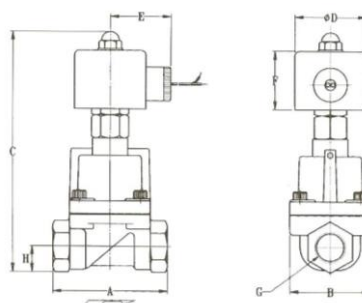
REPAIR KIT

Coil	Coil size (WPG1 or WPG2) + voltage
Piston	SP + Valve Part Number -PISTON
Armature assembly	SP + Valve Part Number -ARMATURE

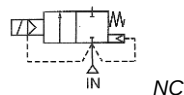
OVERALL DIMENSIONS



Model	A	B	C	D	E	F	G	H	Kg
NOSA6	41	19	86	41	40	-	1/8	10.5	0.35
NOSA8	41	19	86	41	40	-	1/4	10.5	0.4
NOSA10	50	25	91	52	45	-	3/8	11.7	0.5
NOSA14	75	52	158	40	65	38	3/8	15	1.65
NOSA15	75	52	158	40	65	38	1/2	15	1.63
NOSA20	85	60	165	40	65	38	3/4	18	2.13
NOSA25	100	70	172	40	65	38	1	23	2.35
NOSA35	120	90	192	40	65	38	1 1/4	33	3.85
NOSA40	120	90	192	40	65	38	1 1/2	33	3.3
NOSA50	150	120	216	40	65	38	2	40.5	7.35



Media: air – water – light oil - steam
 Pressure range: 0.5 to 15 Bar max
 Media temperature: -40°C to +180°C Max
 Ambient temperature: -20°C to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Opening / Closing time: 500 mSec Max



2/2 Steam

3/8 to 1

NORMALLY CLOSED

2 WAY SERVO ASSISTED

0.5 – 15 Bar

TYPE PU22503-08S®



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (Bar) ΔP			Part Number
			Min	Max Air/ Water	Max Steam	
3/8	13	75	0.5	15	10	PU22503S + voltage
1/2	13	75	0.5	15	10	PU22504S + voltage
3/4	25	200	0.5	15	10	PU22506S + voltage
1	25	200	0.5	15	10	PU22508S + voltage

OPTIONS

IP65 Coil & Connector PG9 – DIN 43650 A
 ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C 
 NPT Thread

ELECTRICAL DATA

Voltage (-10% + 10%) Duty rating 90%		Nass Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	12-24-48-110-220-240-380 (50/60 Hz)	22003	23VA	17VA	H 180°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
=	12-24-48-110-220 (DC)		15 Watts				

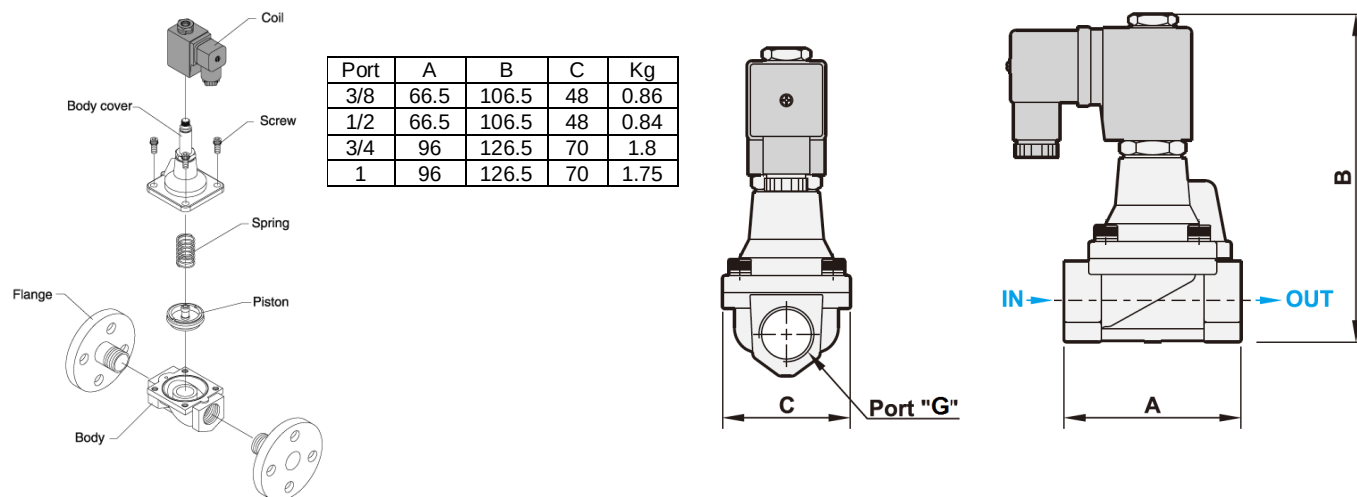
CONSTRUCTION

Body: Forged Brass, Tube and internal parts: Stainless steel
 Seals and gaskets: PTFE, Moulded coil: Duroplast / Thermo set resin

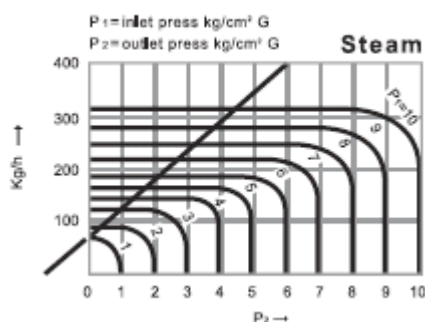
REPAIR KIT

Coil	22003 + Voltage
Complete plunger + O' rings	225320VPTFE
Piston	SP + Valve Part Number -PISTON

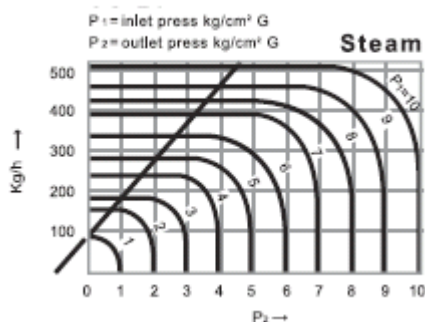
OVERALL DIMENSIONS



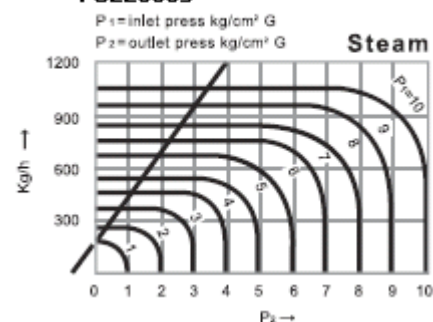
PU22504S



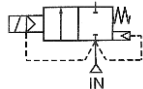
PU22506S



PU22508S



Media: air – water – light oil - steam
 Pressure range: 0.5 to 15 Bar max
 Media temperature: -40°C to +180°C Max
 Ambient temperature: -20° to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright



NC

2/2 Steam Flanged

DN10 – DN25
 NORMALLY CLOSED
 2 WAY SERVO ASSISTED
 0.5 – 15 Bar
 TYPE PU225SF®



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (bar) ΔP			Part Number
			Min	Max Gas/Liquid	Max Steam	
DN10	13	75	0.5	15	10	PU22503SF4 + voltage
DN15	13	75	0.5	15	10	PU22504SF4 + voltage
DN20	25	200	0.5	15	10	PU22506SF4 + voltage
DN25	25	200	0.5	15	10	PU22508SF4 + voltage

OPTIONS

IP65 Coil & Connector PG9 – DIN 43650 A
 ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C
 Other Flanges ANSI150Lb (F3) or JIS10K (F)

ELECTRICAL DATA

Voltage (-10% + 10%) Duty rating 90%		Nass Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	12-24-48-110-220-240-380 (50/60 Hz)	22003	23VA	17VA	H 180°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
=	12-24-48-110-220 (DC)		15 Watts				

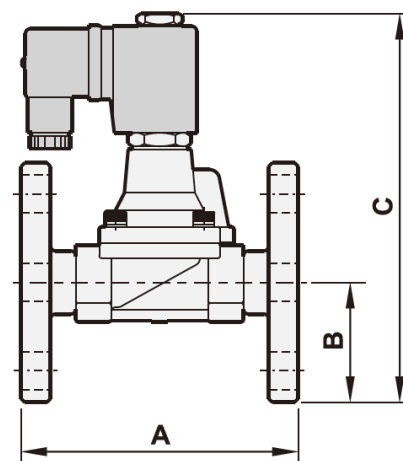
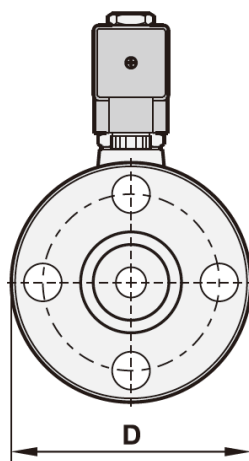
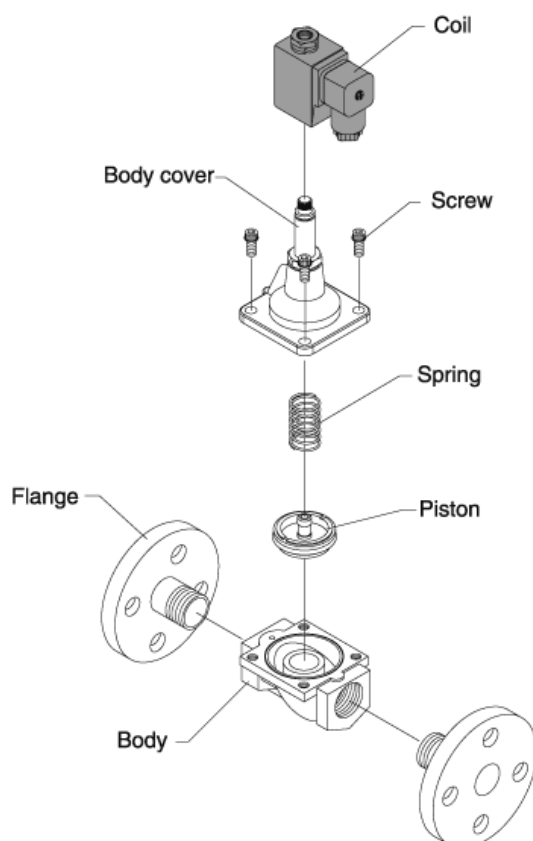
CONSTRUCTION

Body: Brass; Flanges Stainless Steel
 Tube, internal parts & piston: Stainless steel
 Seals and gaskets: PTFE
 Moulded coil: Duroplast / Thermo set resin

REPAIR KIT

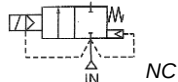
Coil	22003 + Voltage
Complete plunger + O' rings	225320VPTFE
Piston	SP + Valve Part Number – PISTON

OVERALL DIMENSIONS



Model	PU22503SF	PU22504SF	PU22506SF	PU22508SF
Flange	PN16	PN16	PN16	PN16
A	110	110	150	152.6
B	45	47.5	52.5	57.5
C	151.7	154.2	185.5	186
D	90	95	105	115
P	16	16	18	18
K	60	65	75	85
Kg	2.13	2.1	2.84	2.66

Media: air – water – light oil - steam
 Pressure range: 0.5 to 20 Bar max
 Media temperature: +200°C Max*
 Ambient temperature: -40° to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Opening / Closing 200 mSec Max



2/2 Steam

3/8 - 2

NORMALLY CLOSED

2 WAY SERVO ASSISTED

0.5 – 20 Bar

TYPE SA



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (Bar) Max ΔP			Part Number
			Min	Steam	Air/ Water	
3/8	15	75	0.5	12	20	SA14 + voltage
1/2	15	75	0.5	12	20	SA15 + voltage
3/4	20	155	0.5	12	20	SA20 + voltage
1	25	220	0.5	12	20	SA25 + voltage
1 1/4	35	433	0.5	12	20	SA35 + voltage
1 1/2	35	433	0.5	12	20	SA40 + voltage
2	50	800	0.5	12	20	SA50 + voltage

OPTIONS

IP67 (EN60529:1991+A1:2000) UL + CSA Approved Coil & IP65 LED Connector DIN43650A PG11
 NPT Thread
 ATEX EExmIIT4 II 2G & 2D IP65 T130°C 10 Bar Max (20 Bar is special option)
 WPA3C IP65 (100% Rated H rated IP54 coil with 30cm flying leads 33.6 Watts 57VA +200°C media)
 Manual Over ride circuit
 Stainless Steel Body, High Pressure, Flanged, normally open and other custom made options available upon request

ELECTRICAL DATA

Voltage (-10% + 10%) WPG2 duty 90%, WPA3C 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 110 - 230 (50/ 60 Hz) DIN	WPG2	18.7VA	15.3VA	H 180°C	IP 65 With Connector	3 spades DIN 43650 DIN 40050 VDE0110
=	12 – 24 (DC)		18 Watts				
~	24 - 110 - 230 (50 60 Hz)	WPA3C	88VA	57VA	N 200°C	IP54	30cm lead wires
=	12 – 24 (DC)		33.6 Watts				

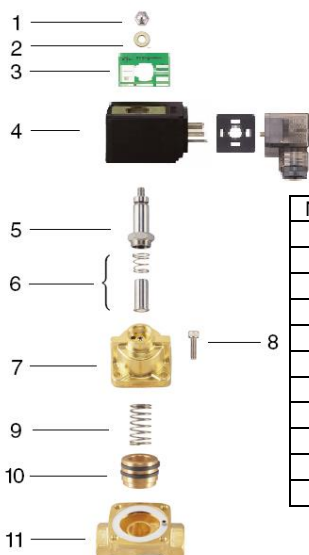
CONSTRUCTION

Body: Brass, Tube and Spring: 304 Stainless Armature: 430F Stainless Other internal parts: Stainless steel
 Seals and gaskets: PTFE, Moulded coil: Resin

REPAIR KIT

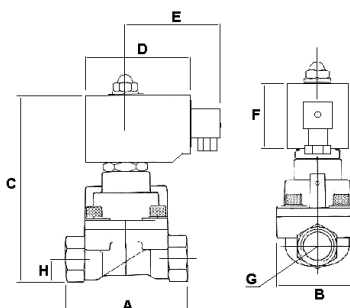
Coil	Coil type (WPG2 or WPA3C) + voltage
Piston	SP210 + Valve Part Number

OVERALL DIMENSIONS

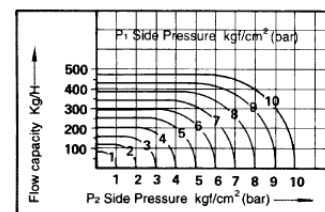


No.	Part Ref	Description
1	SP201-*	Nut
2	SP202-*	Washer
3	SP203-*	Nameplate
4	WPG2	Coil
5	SP205-*	Core Tube
6	SP206-*	Armature
7	SP207-*	Valve Bonnet
8	SP208-*	Screw
9	SP209-*	Spring
10	SP210-*	Piston
11	SP211-*	Valve Body

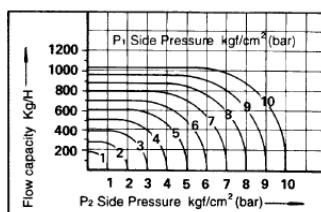
Model	A	B	C	D	E	F	G	H	Kg
SA14	67	48	123	67	52	42	3/8	15	1.13
SA15	67	48	123	67	52	42	1/2	15	1.1
SA20	96	72	149	67	52	42	3/4	25	1.53
SA25	96	72	149	67	52	42	1	25	1.85
SA35	120	90	168	52	45	41	1 1/4	33	3.3
SA40	120	90	168	52	45	41	1 1/2	33	3.25
SA50	150	122	203	52	45	41	2	40.5	6.8



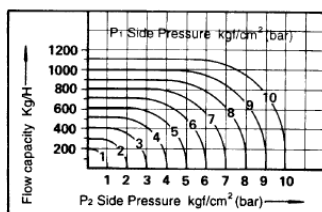
● Fluid:Steam SA-14.15



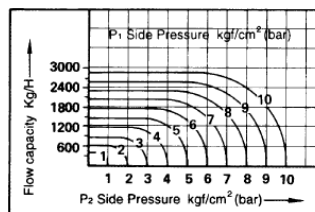
● Fluid:Steam SA-20



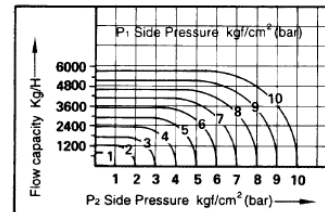
● Fluid:Steam SA-25(AF)



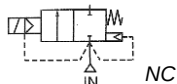
● Fluid:Steam SA-35.40(AF)



● Fluid:Steam SA-50(AF)



Media: air – water – light oil - steam
 Pressure range: 0 to 10 Bar max
 Media temperature: +180°C Max
 Ambient temperature: -30°C to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Opening / Closing 200 mSec Max



2/2 Steam

1/8 – 3/8

NORMALLY CLOSED

2 WAY DIRECT ACTING

0 – 10 Bar

TYPE SA610



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Coil	Pressure Rating (Bar)		Seals	Part Number	
				Min	Max			
1/8	3	5.2	WPG1	0	10	PTFE	SA6A + voltage	
1/4	3	5.2	WPG1	0	10	PTFE	SA8A + voltage	
3/8	4	9.7	WPG2	0	10	PTFE	SA10A + voltage	

OPTIONS

IP67 (EN60529:1991+A1:2000) UL + CSA Approved Coil & IP65 LED Connector DIN43650A PG11 NPT Thread
 ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C
 WPA3C IP65 (100% Rated H rated IP54 coil with 30cm flying leads 33.6 Watts 57VA +200°C media) SA10A only
 Other custom made options available upon request

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 90%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 110 - 230 (50 or 60 Hz) DIN	WPG1	11.2VA	8.2VA	H 180°C	IP 65 With Connector	3 spades DIN 43650 DIN 40050 VDE0110
=	12 – 24 (DC) DIN		12 Watts				
~	24 - 110 - 230 (50 or 60 Hz) DIN	WPG2	18.7VA	15.3VA			
=	12 – 24 (DC) DIN		18 Watts				

CONSTRUCTION

Body: Brass
 Tube and internal parts: Stainless steel
 Seals and gaskets: PTFE
 Moulded coil: Resin

REPAIR KIT

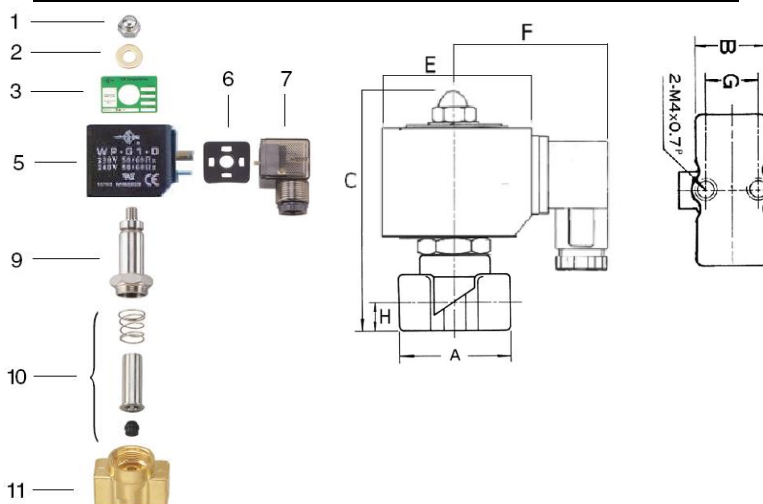
Coil	(WPG1 or WPG2) + voltage
Armature	SP210 + Valve Part Number

OVERALL DIMENSIONS

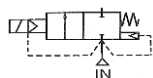
Item	Part No	Description
1	SP201-*	Nut
2	SP202-*	Washer
3	SP203-*	Nameplate
5	SP205-*	Coil
6	SP206-*	Gasket
7	SP207-*	Connector
9	SP209-*	Core Tube
10	SP210-*	Armature Assembly
17	SP211-*	Valve Body

* = Valve Part Number

Model	A	B	C	F	G	H	Weight
SA6	41	19	86	40	1/8	10.5	470g
SA8	41	19	86	40	1/4	10.5	430g
SA10	50	25	91	45	3/8	11.7	560g



Media: air – water – light oil - steam
 Pressure range: 0.5 to 20 Bar max
 Media temperature: +200°C Max
 Ambient temperature: -30°C to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright



NC

2/2 Steam Flanged

DN25 – DN50

NORMALLY CLOSED

2 WAY SERVO ASSISTED

0.5 – 20 Bar

TYPE SAF



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (Bar) ΔP			Part Number	
			Min	Max Steam	Max Air/ Water		
DN25	25	220	0.5	12	20	SA25PF + voltage	
DN32	35	433	0.5	12	20	SA35PF + voltage	
DN40	35	433	0.5	12	20	SA40PF + voltage	
DN50	50	800	0.5	12	20	SA50PF + voltage	

OPTIONS

IP67 (EN60529:1991+A1:2000) UL + CSA Approved Coil & IP65 LED Connector PG11
 ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C 10 Bar Max
 WPA3C IP65 (100% Rated H rated coil with 30cm flying leads 33.6 Watts 57VA)
 ANSI150Lb, JIS10K or other flange
 Other custom made options available upon request

ELECTRICAL DATA

Voltage (-10% + 10%) WPG duty 90% WPA3C 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
=	12 – 24 – 48 - 110 DC DIN	WPG2	18.7VA	15.3VA	H 180°C	IP 65 With connector	3 spades DIN 43650 DIN 40050 VDE0110
~	24 - 110 – 240 - 380 (50/ 60 Hz) DIN		18 Watts				
~	24 - 110 - 230 (50 60 Hz)	WPA3C	88VA	57VA	N 200°C	IP54	30cm lead wires
=	12 – 24 (DC)		33.6 Watts				

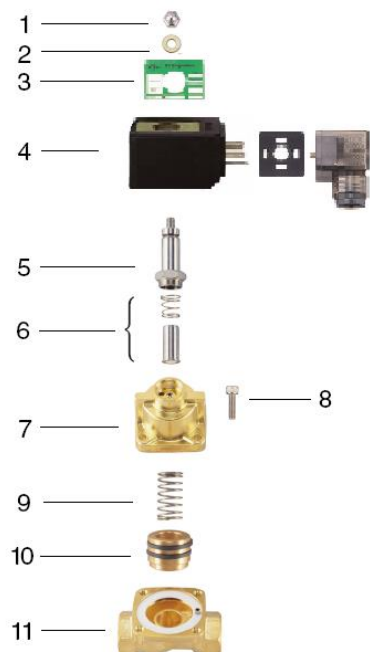
CONSTRUCTION

Body: Brass, Tube and internal parts: Stainless steel
 Seals and gaskets: PTFE, Moulded coil: Resin

REPAIR KIT

Coil	WPG2 + voltage
Piston	SP210 + Valve Part Number

OVERALL DIMENSIONS



● Spare Parts Table

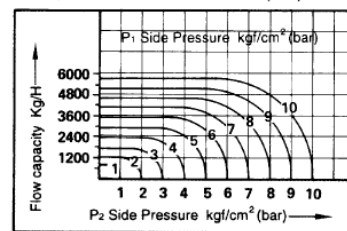
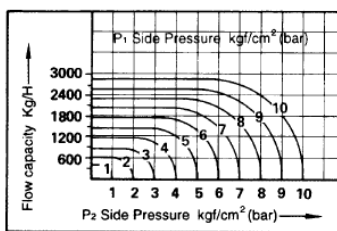
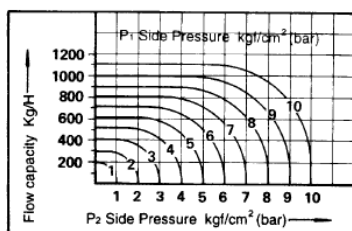
Item	Order No.	Description
1	SP-201- *	Nut
2	SP-202- *	Washer
3	SP-203- *	Nameplate
4	SP-204- *	Coil
5	SP-205- *	Solenoid Tube
6	SP-206- *	Armature Core
7	SP-207- *	Valve Bonnet
8	SP-208- *	Screw
9	SP-209- *	Spring
10	SP-210- *	Piston
11	SP-211- *	Valve Body

* Model Number

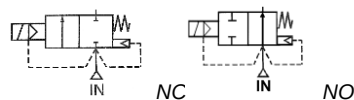
● Fluid: Steam SA-25(AF)

● Fluid: Steam SA-35.40(AF)

● Fluid: Steam SA-50(AF)



Media: steam - air - water - gas - light oil
 Pressure range: 0.5 to 10 Bar max
 Media temperature: +185°C max
 Ambient temp: -10°C to +50°C max
 Media viscosity: 20 centistokes max
 Mounting: coil upright
 Suitable for high frequency applications



2/2 Stainless Steam

1/2 - 2

N/CLOSED + N/OPEN
 2 WAY SERVO ASSIST

0.5 - 10 Bar

TYPE SUS



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow	Pressure Rating (Bar) ΔP		Part Number
		Kv Ltr/min	Min	Max	
1/2	17	67	0.5	10	SUS15 + voltage
3/4	17	100	0.5	10	SUS20 + voltage
1	22	200	0.5	10	SUS25 + voltage
1 1/4	30	300	1	10	SUS35 + voltage
1 1/2	30	367	1	10	SUS40 + voltage
2	50	800	1	10	SUS50 + voltage

OPTIONS

IP65 Coil & Connector PG9 - DIN 43650 A

BSPT + NPT Threads

Normally Open (No ATEX option)

ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C (Type SKSXX)

ELECTRICAL DATA

ELECTRICAL DATA							
Voltage (-10% + 10%) Continuous duty 90%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 110 - 230 – 380 (50 or 60 Hz)	WPC2D	40VA	24.4VA	H 180°C	IP65 with Connector	3 spades DIN43650A DIN40050 VDE0110
=	12 - 24 (DC)		18 Watts				

CONSTRUCTION

Body: Forged 316 stainless steel (CF8M)

Tube 304 stainless steel, armature 430F stainless steel

Shading ring: copper

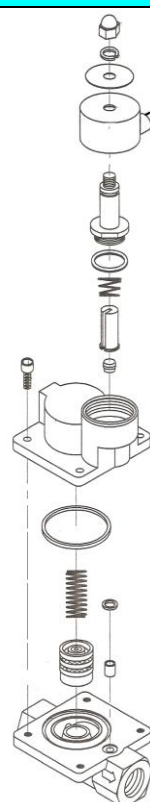
Seals and gaskets: PTFE

Moulded coil: Resin

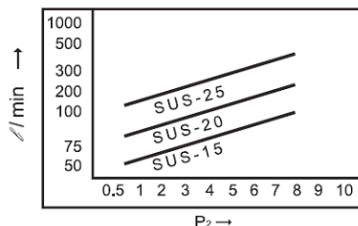
REPAIR KIT

Coil	WPC2D + voltage
Armature	SP + Valve Part Number -ARMATURE
Piston	SP + Valve Part Number -PISTON

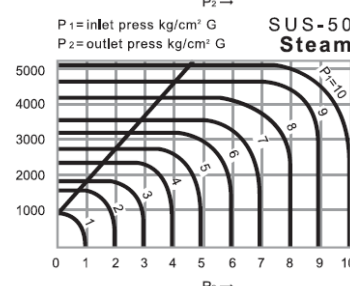
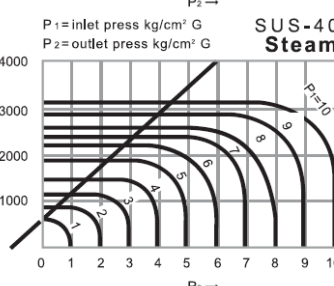
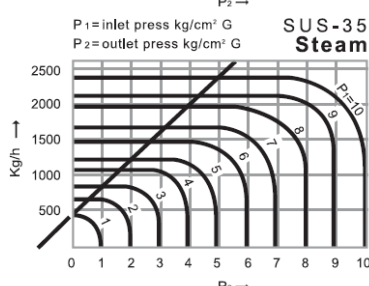
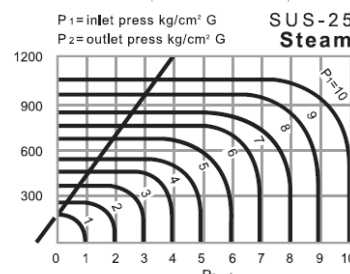
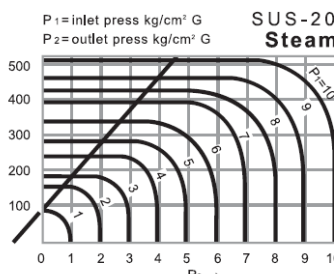
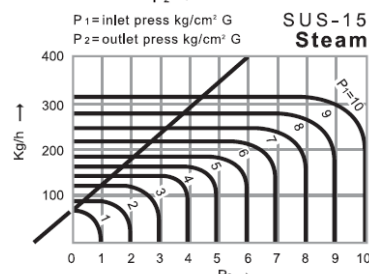
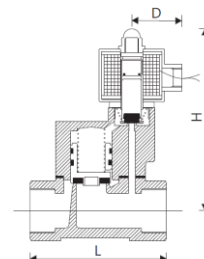
OVERALL DIMENSIONS



SUS-15,20,25 Water

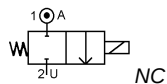


Model	L	H	D	Kg
SUS15	84	115	48	1.38
SUS20	84	120	48	1.43
SUS25	98	132	48	1.88
SUS35	123	142	48	2.62
SUS40	123	146	48	2.72
SUS50	167	173	48	5.45



© Copyright (SUS 240817) whole or partial reproduction of this catalogue or page without written consent is strictly prohibited.

Media: steam-air-water-light oil-vacuum
 Pressure range: 0 to 10 Bar max
 Media temperature: +185°C Max
 Ambient temperature: -5° to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright advised



2/2 Steam Stainless

1/8 – 3/8

NORMALLY CLOSED

2 WAY DIRECT ACTING

0 – 10 Bar

TYPE SUS610



PRESSURE

Ø Port BSP	Ø Orifice (mm)	Flow Kv Ltr/ min	Coil	Pressure Rating (Bar)		Max Media Temp. °C	Part Number	
				Min	Max			
1/8	2.5	3.8	HTA1	0	7	PTFE 185C NBR 80C Silicone 130°C FKM 130°C	SUS6 - 316 + voltage	
1/4	2.5	3.8	HTA1	0	7		SUS8 - 316 + voltage	
3/8	4	9.7	WPA2	0	10		SUS10 - 316 + voltage	

OPTIONS

IP65 Coil and DIN43650A Connector SUS10 only. HTA1 IP54 flying lead coil (SUS6 + SUS8)
 NPT + BSPT threads
 EPDM or FKM seals +130°C Max

ELECTRICAL DATA

Voltage AC (-10% + 10%) DC (-1% - +1%) Continuous duty 90%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	110 - 220 (50 or 60 Hz)	HTA 1	28VA	15.4VA	N 200 °C	IP54	2 wire 30cm flying lead
=	12 - 24 (DC)		12 Watts				
~	110 - 220 (50 or 60 Hz)	WPA2	40VA	24.4VA	H 180 °C	IP65	3 spades DIN 43650A DIN 40050 VDE0110
=	12 - 24 (DC)		18 Watts				

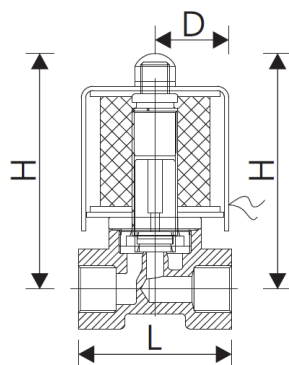
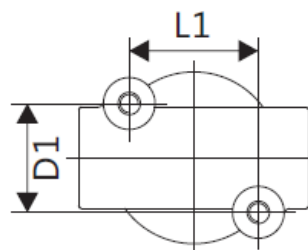
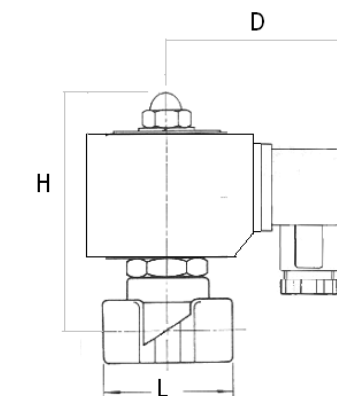
CONSTRUCTION

Body: 316 (CF8M) stainless steel
 Tube and internal parts: Stainless steel
 Seals and gaskets: PTFE (Optional FKM, EPDM, NBR and Silicone)
 Moulded coil: Resin
 Standard coil: H rated special copper wire
 Washer: PTFE or NBR

REPAIR KIT

Coil	Coil size (HTA1 or HTA2) + voltage
Armature assembly	SP + Valve Part Number -ARMATURE

OVERALL DIMENSIONS

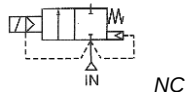


SUS6~8

Model	L	H	D	Weight	L1	D1	M
SUS6	41	68	21.5	340g	23	19.3	M4 x0.7
SUS8	41	68	21.5	330g	23	19.3	M4 x0.7
SUS10	53	83	48	540g	20	21	M5x0.8

© Copyright (SUS610 2017) whole or partial reproduction of this catalogue or page without written consent is strictly prohibited.

Media: air – water – light oil - steam
 Pressure range: 1 to 10 Bar max
 Media temperature: +185°C Max
 Ambient temperature: -20° to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Opening / Closing 200 mSec Max



2/2 Steam Flanged

DN65 – DN100
 NORMALLY CLOSED
 SERVO ASSISTED
 0.5 – 10 Bar
 TYPE USLF



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Cv m³/hr	Pressure Rating (Bar) ΔP		Part Number
			Min	Max	
DN65	65	68	1	10	USL65F + voltage
DN80	80	100	1	10	USL80F + voltage
DN100	100	175	1	10	USL100F + voltage

OPTIONS

IP65 Coil + DIN Connector PG11 DIN43650A (Optional 30cm N Rated IP54 Flying lead coil)
 Other flange ANSI150Lb, JIS10K, JIS20K, PN40

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 90%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	24 - 110 - 220 (50 or 60 Hz)	WPC2	40VA	24.4VA	H 180°C	IP65 with connector	3 spades DIN 43650 DIN 40050 VDE0110
=	12 - 24 (DC)		18 Watts				

CONSTRUCTION

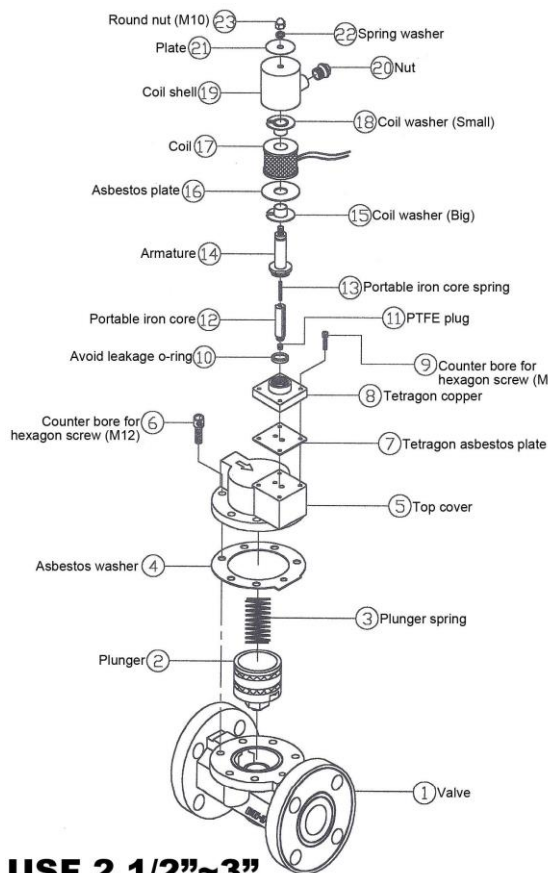
Body: FC-20 (1 piece casting)
 Piston: Bronze
 Tube and internal parts: Stainless steel
 Seals and gaskets: PTFE
 Moulded coil: Resin

REPAIR KIT

Coil	WPC2 + voltage
Piston	SP + Valve Part Number – PISTON

OVERALL DIMENSIONS

Model	L	H	D	Kg
USL65F	240	209	48	19.2
USL80F	300	228	48	27.0
USL100F	340	244	48	38.7



USF 2 1/2"~3"

