

Karimás mágnesszelepek

- NC - alaphelyzeten zárt és
- NO - alaphelyzetben nyitott típusok

BRAVA BEAR
BRAVA BEAR



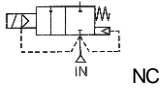
BRAVA BEAR KERESKEDELMI ÉS SZOLGÁLTATÓ BT.

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Media: Air, Water or light oil
 Pressure range: 0.3 to 16 bar max
 Media temperature: -5°C to +100°C
 Ambient temperature: 0° to +60°C
 Media viscosity: 50 centistokes max
 Cycle life: 500,000 cycles
 Opening / Closing Time: 3 –5 Sec



2/2 Ductile Iron

DN50 – DN300
 NORMALLY CLOSED
 SERVO ASSISTED
 0.3 – 16 Bar
 DI-50300



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv Ltr/Min	Pressure ΔP		Seals	Part Number
			Min	Max		
2	50	1250	0.3	16	NBR (80°C) *FKM (100°C)	DINC50D + seal + voltage
2 1/2	65	1750	0.3	16		DINC65D + seal + voltage
3	80	2300	0.3	16		DINC80D + seal + voltage
4	100	4300	0.3	16		DINC100D + seal + voltage
5	125	6500	0.3	16		DINC125D + seal + voltage
6	150	9100	0.3	16		DINC150D + seal + voltage
8	200	16700	0.3	16		DINC200D + seal + voltage
10	250	26500	0.3	16		DINC250D + seal + voltage
12	300	36500	0.3	16		DINC300D + seal + voltage

OPTIONS

IP65 Coil & Connector PG11 – DIN 43650 A
 Manual Over ride lever valve
 *FKM seals
 Explosion Proof Enclosure EExmIIT4 ATEX 2G IP65 T 130°C
 Other custom flange, size, Cast Iron & Larger castings up to 16" PN16 500mm available upon request

ELECTRICAL DATA

Voltage (-10% +10%) Continuous Duty 100%		Coil	Power Consumption		Insulation Class	Enclosure	Electrical Connections
~	=		Inrush	Holding			
~	24 – 110 – 230 (50 or 60 Hz)	M16	56 VA	24 VA	F 155°C	IP65 with connector	3 spades DIN 43650A
=	12 - 24		16 Watts				
~	110 – 230 (50 or 60 Hz)	M17	35VA	26VA	N 200 °C		
=	24		19 Watts				

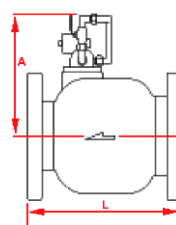
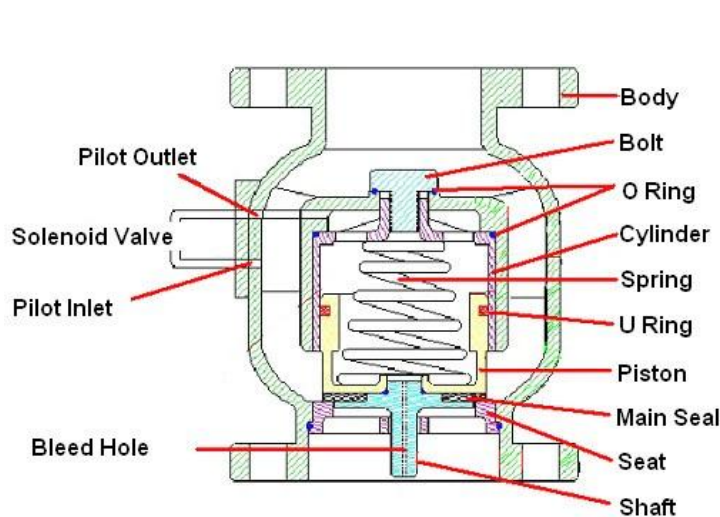
CONSTRUCTION

Body: Ductile Iron with Epoxy Coating (Pressure tested to 16 bar)
 Piston, Seat & Shaft: Bronze
 Bolts: Brass
 Spring: Stainless steel
 Ports: Flanged PN16 RF
 Seals and gaskets: NBR or Special FKM
 Control pipe work circuit & fittings: Copper & Brass

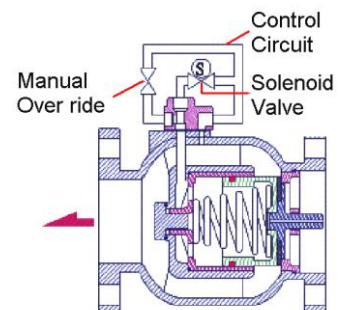
REPAIR KIT

Piston U Ring seal	SB + Valve Part Number – PISTON U RING
External Control Pipework + Solenoid	DI - NC + seal – PIPEWORK + voltage

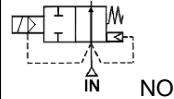
OVERALL DIMENSIONS



Port	L	A	Kg
2"	190	187	12
2 1/2"	210	192	15
3"	225	210	18
4"	250	222	24
5"	280	235	32
6"	310	260	44
8"	420	300	87
10"	470	335	152
12"	530	370	202



Media: Air, Water or light oil
 Pressure range: 0.3 to 16 bar max
 Media temperature: -5°C to +100°C
 Ambient temperature: 0° to +60°C
 Media viscosity: 50 centistokes max
 Cycle life: 500,000 cycles
 Opening / Closing Time: 3 – 5 Sec



2/2 Ductile Iron Epoxy Coated

DN50 – DN300

NORMALLY OPEN

2 WAY SERVO ASSISTED

0.3 – 10 Bar

NODI-50300



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv Ltr/Min	Pressure ΔP		Seals	Part Number
			Min	Max		
2	50	1350	0.3	10	NBR (80°C) *FKM (100°C)	NO-DI50D + seal + voltage
2 1/2	65	1800	0.3	10		NO-DI65D + seal + voltage
3	80	2580	0.3	10		NO-DI80D + seal + voltage
4	100	3200	0.3	10		NO-DI100D + seal + voltage
5	125	6500	0.3	10		NO-DI125D + seal + voltage
6	150	9100	0.3	10		NO-DI150D + seal + voltage
8	200	16700	0.3	10		NO-DI200D + seal + voltage
10	250	26500	0.3	10		NO-DI250D + seal + voltage
12	300	36500	0.3	10		NO-DI300D + seal + voltage

OPTIONS

IP65 Coil & Connector PG11 – DIN 43650 A

Manual Over ride lever valve

*FKM seals

ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C

Other custom options and sizes available upon request

ELECTRICAL DATA

Voltage (-10% +10%) Continuous Duty 100%	Coil	Power Consumption		Insulation Class	Enclosure	Electrical Connections
		Inrush	Holding			
~ 110 – 230 (50 or 60 Hz)	M17	35VA	26VA	N 200 °C	IP65 With connector	3 spades DIN 43650A DIN40050 VDE0110
= 24		19 Watts				

CONSTRUCTION

Body: Ductile Iron with Epoxy Coating (Pressure tested to 16 Bar)

Piston, Seat & Shaft: Bronze

Bolts: Brass

Spring: Stainless steel

Ports: Flanged PN16 RF

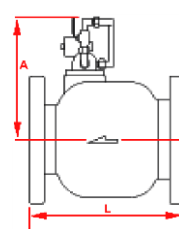
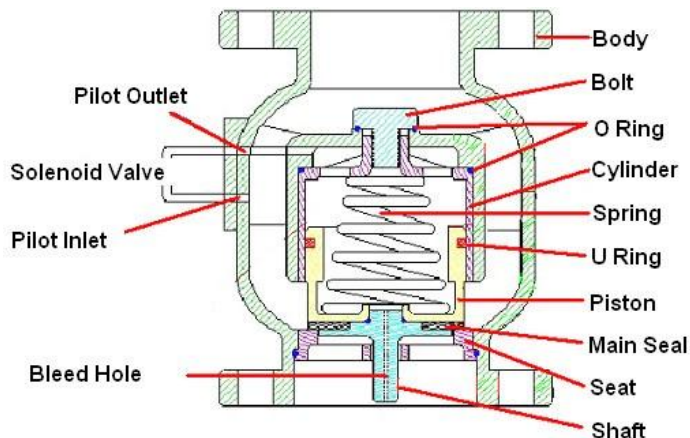
Seals and gaskets: NBR or Special FKM

Control pipe work circuit & fittings: Copper & Brass

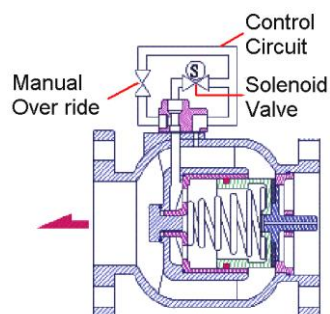
REPAIR KIT

Piston U Ring	SP + valve part number + U RING
External Control Pipe work + Solenoid	NOBFE + seal - PIPEWORK + voltage

OVERALL DIMENSIONS



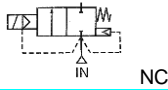
Port	L	A	Kg
2"	190	187	12
2 1/2"	210	192	15
3"	225	210	18
4"	250	222	24
5"	280	235	32
6"	310	260	44
8"	420	300	87
10"	470	335	152
12"	530	370	202



Media: Air, Water, Steam or oil
 Pressure range: 0.3 to 16 bar max
 Media temperature: -15°C +200°C
 Ambient temperature: 0° to +60°C
 Media viscosity: 50 centistokes max
 Cycle life: 500,000 cycles
 Opening / Closing time: 3-5 Sec

2/2 Stainless Steel

DN50 – DN300
 NORMALLY CLOSED
 2 WAY SERVO ASSISTED
 0.3 – 16 Bar
 NC50300-SS



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv Ltr/Min	Pressure Rating (Bar) ΔP		Part Number
			Min	Max	
2	50	1250	0.3	16	NC50SS + FKM + voltage
2 1/2	65	1750	0.3	16	NC65SS + FKM + voltage
3	80	2300	0.3	16	NC80SS + FKM + voltage
4	100	4300	0.3	16	NC100SS + FKM + voltage
5	125	6500	0.3	16	NC125SS + FKM + voltage
6	150	9100	0.3	16	NC150SS + FKM + voltage
8	200	16700	0.3	16	NC200SS + FKM + voltage
10	250	26500	0.3	16	NC250SS + FKM + voltage
12	300	36500	0.3	16	NC300SS + FKM + voltage

OPTIONS

IP65 Coil & Connector PG 11 – DIN 43650A
 Manual Over ride lever valve
 Special 200°C steam rated controller with M17 coil + solenoid
 ATEX 22003EX Coil: ATEX EExmIIT4 II 2G & 2D IP65 T130°C
 316 Stainless steel casting (BFE-SS)
 Other custom made options available upon request

Voltage (-10% +10%) Continuous Duty 100%	Coil	Power Consumption		Insulation Class	Enclosure	Electrical Connections
		Inrush	Holding			
~ 24 – 110 – 230 (50 or 60 Hz)	M16	70 VA	35 VA	F 155°C	IP65 with connector	3 spades DIN 43650 DIN40050 VDE0110
= 12 – 24		26 Watts				

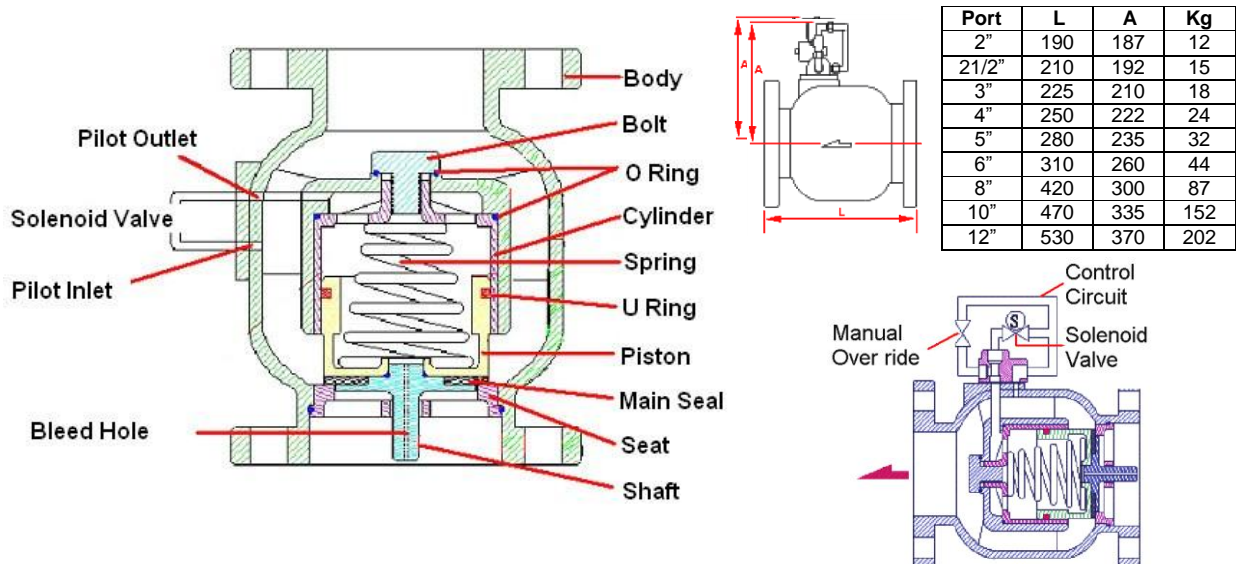
CONSTRUCTION

Body & Piston: 304 Stainless steel (100% Pressure tested to 35 bar)
 Seat + Shaft: Stainless steel
 Bolts: Stainless Steel
 Spring: Stainless steel
 Ports: Flanged PN16 RF
 Seals and gaskets: FKM
 Control pipe work circuit + fittings: 304 stainless steel

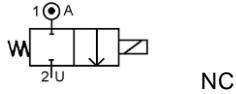
REPAIR KIT

Piston U Ring	SP + Valve Part Number + U RING
External Control pipework	BFESS-NC + seal –PIPEWORK + voltage

OVERALL DIMENSIONS



Media: vacuum - air - water
 Pressure range: 0 to 2 bar max
 Media temperature: -10°C +60°C
 Ambient temperature: -20° to +60°C
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Open: 250-500 Close: 500-1000 mSec



2/2 Bronze + Cast Iron

DN65 – DN100
 NORMALLY CLOSED
 2 WAY ASSISTED LIFT
 0 – 2 Bar
 BLK-CLK



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (bar) ΔP		Seals	Body Material	Part Number
			Min	Max			
2 1/2	80	1367	0	2	NBR	Bronze	BLK65-NBR + voltage
3	80	1616	0	2	NBR	Bronze	BLK80-NBR + voltage
4	100	2833	0	1	NBR	Cast iron	CLK100-NBR + voltage

OPTIONS

IP65 Coil + Connector PG9 – DIN 43650 A
 ANSI150Lb or other flange
 FKM Seals

ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 100%		Coil	Power Consumption		Insulation class	Enclosure	Electrical connections
			Inrush	Holding			
~	110 – 230v (50/60 Hz) (Rectified)	22007	30VA		F 155°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
=	24 – 96 – 196v (DC)		30 Watts				

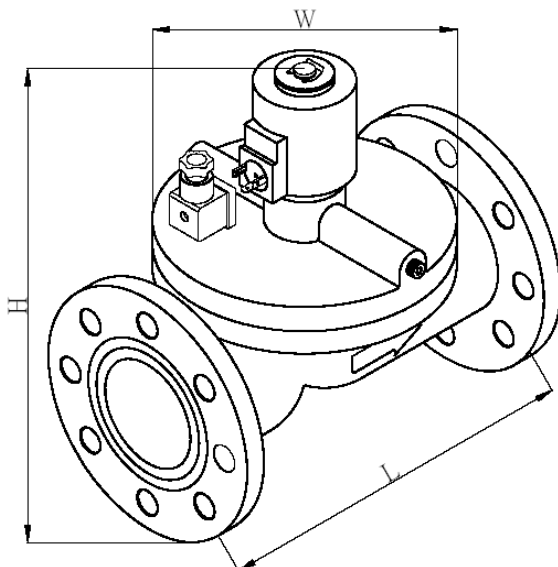
CONSTRUCTION

Body: Bronze or Cast Iron
 Tube and internal parts: Stainless steel
 Seals and gaskets: NBR
 Moulded coil: Resin

REPAIR KIT

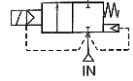
Diaphragm Seal	SP + Valve Part Number – DIAPHRAGM
Coil	22007 + voltage
Armature	SP + Valve Part Number – ARMATURE

OVERALL DIMENSIONS



Model	LK65	LK80	LK100
Port	65	80	100
L	290	290	340
H	336	336	391
W	210	210	270
Kg	21Kg	21Kg	36Kg

Media: air – water – light oil - steam
 Pressure range: 0.5 to 10 bar max
 Media temperature: +185°C Max
 Ambient temperature: -20° to +60° C
 Media viscosity: 50 centistokes max
 Mounting: coil upright
 Switching time: 200 mSec Max



NC

2/2 Steam Flanged

DN65 – DN100
 NORMALLY CLOSED
 SERVO ASSISTED
 0.5 – 10 Bar
 DUS-F



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv Ltr/ min	Pressure Rating (bar) ΔP		Part Number
			Min	Max	
2 1/2	65	1133	0.5	10	DUS65-F + voltage
3	80	1666	0.5	10	DUS80-F + voltage
4	100	2920	0.5	10	DUS100-F + voltage

OPTIONS

IP65 Coil + DIN Connector PG11 DIN43650A
 Other flange

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)	WBA2	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	WBA2 + voltage
Piston	SP + Valve Part Number – PISTON

OVERALL DIMENSIONS



Model	L	H	D	Weight
DUS65-F	240	230	58	19.1Kg
DUS80-F	300	249	58	27Kg
DUS100-F	340	264	58	39Kg

