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DIAPHRAGM VALVE 1"1/2 DOUBLE STAGE ON 8" TANK WITH INTEGRATED BULKHEAD VT14K4

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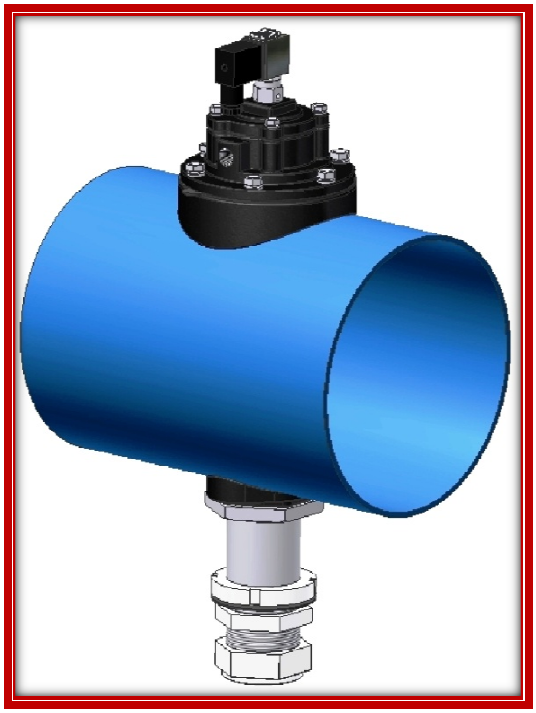
HEADER TANK PED CHARACTERISTICS

PARAMETERS	VALUES	NOTE	
WORKING PRESSURE	Max 8 Bar		
ENVIRONMENT TEMPERATURE	-15°C+70°C	CARBON STEEL	
	-15°C+100°C	STAINLESS STEEL	
CAPACITY	35 l/m		
COLOUR	RAL 5012	FOR CARBON STEEL	
AIR QUALITY CLASSES	SOLID	2	
	WATER	4	For T > + 3°C
		3	For -20°C <T<+3°C
		2	For -40°C <T<-20°C
	OIL	1	
PROTECTION LEVEL	IP65		



VALVE CHARACTERISTICS

PARAMETERS	VALUES	NOTE
WORKING PRESSURE	1,5 – 8 Bar	
TEMPERATURE RANGE	-15°C+70°C	STANDARD DIAPHRAGM
	-15°C+200°C	VITON DIAPHRAGM
PULSE TIME	150 ÷ 200 ms	
AIR CONSUMPTION	71 CV	
WEIGHT	3000 g	

MECHANICAL DETAILS

No	DESCRIPTION	STANDARD MATERIAL	HIGH TEMPERATURE MATERIAL	KIT CODE STANDARD	KIT CODE HIGH TEMPERATURE
-	HEADER TANK	CARBON STEEL or SS AISI 304 304L 316 316L		-	
11	BLOW PIPE	CARBON STEEL or SS AISI 304 304L 316 316L		-	
-	O-RINGS	NBR 70 SHORE		-	-
-	BODY 1"1/2 M56	ALUMINIUM DIE CAST		D1177-3	
3	COVER 1"			D1148-4	
8	COVER 1"1/2 Double Stage			D1150	
-	SADDLE 1"1/2 on 8"			D1402	
5	DIAPHRAGM 1"	NITRIPLATE	VITON	MMB08	MMB08-HT
10	DIAPHRAGM 1"1/2	NITRIPLATE	VITON	MMB14	MMB14-HT
4, 9	SPRINGS	302 STAINLESS STEEL		MT0026, D2810	
1,2,6,7	SCREW + WASHER	304 STAINLESS STEEL		-	

COIL DETAIL

KIT CODE	VOLTAGE
BB-24/DC	DC24V
BB-24/50	AC24V / 50 Hz
BB-110/50	AC110V / 50 Hz
BB-220/20	AC220V / 50 Hz
POWER ABSORPTION	20W
ISOLATION CLASS	H (180°/200°C)
CONNECTOR TYPE	Pg9

STANDARD ACCESSORIES

CODE	DESCRIPTION
M10-63R4	¼" PRESSURE GAUGE
RS4MF	¼" DRAIN VALVE
-	¼" PLUG
-	1"1/2 PLUG

CERTIFICATION

STANDARD	AVAIABLE ON DEMAND
PED	ATEX
	ASME

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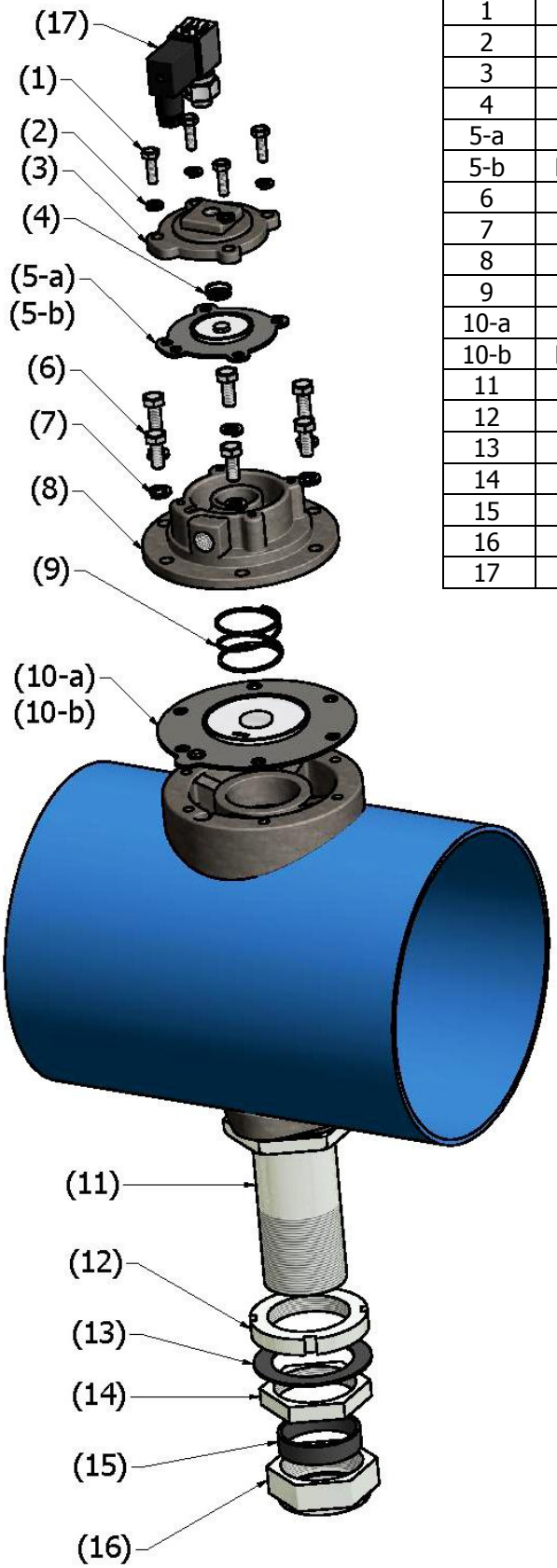
EXPLODED



No	CODE	DESCRIPTION	Q.
1	MT0033	Screw TE DIN933 A2 M6x20	4
2	MT0031	Washer grower UNI1751 A2 M6	4
3	D1148-4	1" cover	1
4	MT0026	Conical compression spring ref. 1"	1
5-a	MMB08	1" diaphragm	1
5-b	MMB08-HT	1" viton diaphragm	1
6	MT0032	Screw TE DIN933 A2 M8x20	6
7	MT0030	Washer grower UNI1751 A2 M8	6
8	D1150	1"1/2 double stage cover	1
9	D2810	Cylindrical compression spring ref. 1"1/2	1
10-a	MMB14	1"1/2 double stage diaphragm	1
10-b	MMB14-HT	1"1/2 double stage viton diaphragm	1
11	D2439_B	Bolw pipe mod. K4	1
12	D915	M56 ring nut	1
13	MT0169	Rubber washer 80x56x1,5	1
14	D914	M56 hexagonal nut	1
15	MT0168	Rubber sleeve	1
16	D1047	M56 nut	1
17	Gp-**/**	Pilot group with **/** coil	1

REPLACEMENT KIT	
KIT CODE	SPARE PARTS
KRM14	10, 9, 5, 4
KRM14-**/**	10, 9, 5, 4, 17
KRC14	10, 9, 8, 5, 4, 3
KRC14-**/**	10, 9, 8, 5, 4, 3, 17
Add "-HT" for HIGH TEMPERATURE KIT CODE Add "/A" for ATEX KIT CODE	

TIGHTENING TORQUE		
No	DESCRIPTION	VALUES
1	SCREW M6	14 Nm ± 1,4
6	SCREW M8	26 Nm ± 2,6
11	BLOW PIPE	80 Nm ± 8
17	PILOT	10 Nm ± 1

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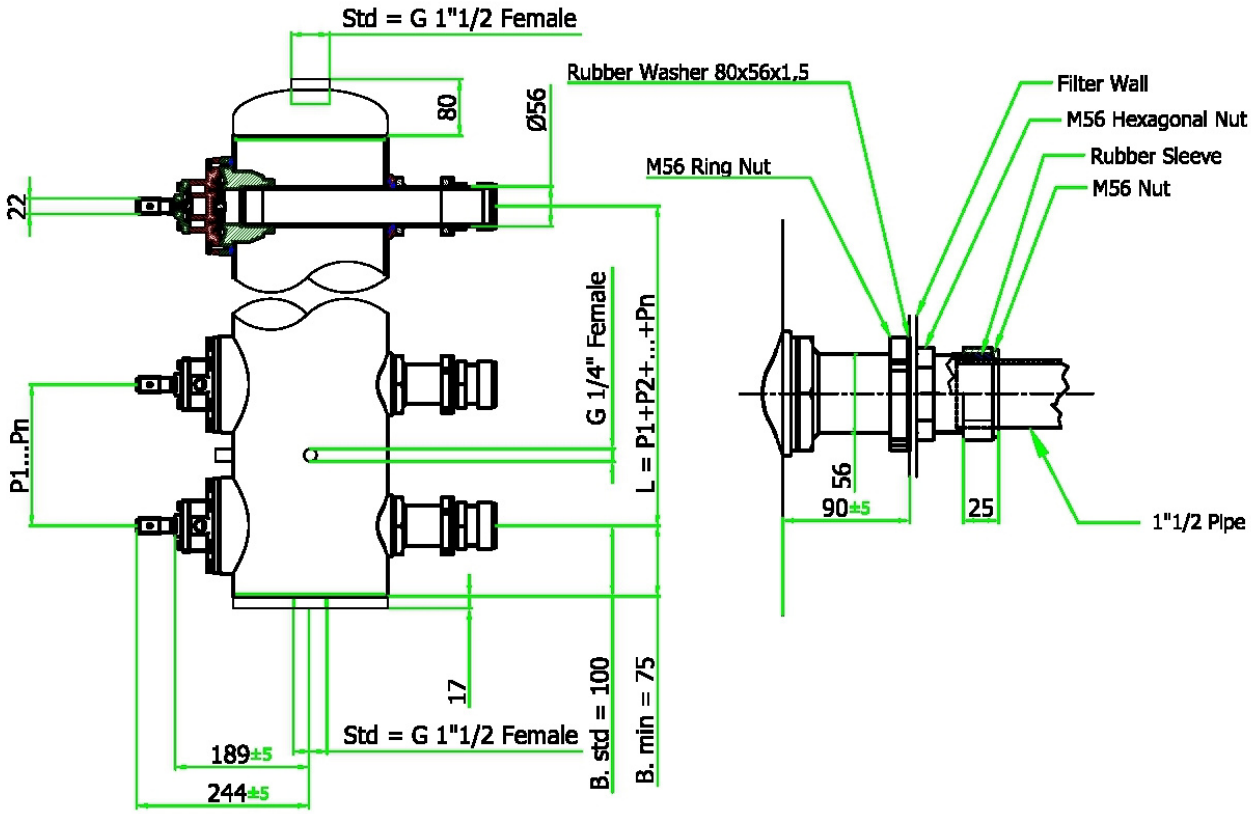
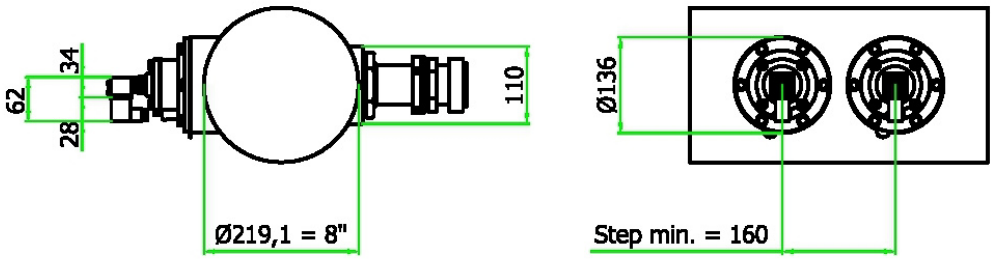
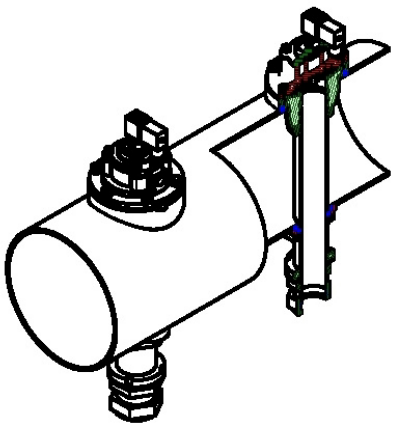
ASSEMBLED DIMENSION







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