

# MK = Floating double block & bleed

## Elastomer seal design

POS.	PART. NAME	MATERIAL
01	BODY	ASTM A105N
02	SEAT	DEVLON
03	BALL	ASTM A479 UNS S31803 (Duplex)
04	STEM	ASTM A479 UNS S31803 (Duplex)
05	GLAND	ASTM A479 UNS S31803 (Duplex)
06	FLANGE	ASTM A105N
10	LEVER	CS+ZINC PLATED
11	LOCKING DEVICE	CS+ZINC PLATED
12	LEVER STOP	CS+ZINC PLATED
51	STUD	ASTM A188 B7M+EZP
52	NUT	ASTM A194 2HM+EZP
53	LEVER NUT	CS+ZINC PLATED
54	SCREW	CS+ZINC PLATED
55	THRUST WASHER	RPTFE
62	O-RING	VITON AED
63	GASKET	GRAPHITE
65	SPRING WASHER	AISI 301
66	SPRING	AISI 301

EZP=ZINC NICKEL ELECTRO PLATED

19a	NEEDLE LEVER NUT	S.S.
20a	NEEDLE STEM	ASTM A479 UNS S31803+ST (Duplex)
21a	NEEDLE PACKING GLAND	AISI 316
22a	NEEDLE BODY	ASTM A105N
23a	NEEDLE BODY GASKET	GRAPHITE
24a	NEEDLE LEVER	S.S.
25a	NEEDLE CLOSURE	ASTM A105N
26a	NEEDLE STEM GASKET	GRAPHITE
27a	NEEDLE PLUG	ASTM A105N

**NOTE:**

- Dimension in mm, weight in kg
- Valves according to B16.34 - ASME VIII Div.1
- Flanges according to ASME B16.5
- Face to face according to manufacturer STD
- Antistatic device according to BS 5351
- Fire safe according to BS-6755 Pt.2/API8FA.
- Hydro test in acc. API 598
- Corrosion allowance 3 mm
- Leakage class : Zero leakage
- Design temperature range : -29°C/+180°C
- Design pressure as per ASME B16.34
- Material certificates in acc. BS EN 10204 type 3.1

CLASS 600		CLASS 900	
HYDROSTATIC TEST CONDITIONS		HYDROSTATIC TEST CONDITIONS	
SHELL	153 bar	SHELL	230 bar
SEAT	113 bar	SEAT	169 bar
PNEUMATIC TEST CONDITIONS		PNEUMATIC TEST CONDITIONS	
SEAT	6 bar	SEAT	6 bar

ITEM.	QTY.	SIZE.	CLASS.	ENDS.	A	B	B1	C	D	WEIGHT
89	2	3/4" x 1/2"	600	RF/NPTF	214.5	13	19	112	200	17
106	2	3/4" x 1/2"	900	RF/NPTF	254.5	13	19	112	200	20

EMMECI		IVALNOR		BALL VALVE	
				DOUBLE BLOCK & BLEED FLOATING	
PLN	06.03.15			GENERAL ASSEMBLY	
PLS	06.03.15				
PLM	06.03.15			89745	
AS	-				