



### SPECIFICATIONS

DN mm	DN200 - DN2000 (DN2200 to DN3000 on request)
DN inch	8" - 80" (88" to 120" on request)
Seal	EPDM, NBR
Temperature	EPDM -10°C to 120°C NBR -10°C to 80°C
Type of body	Double flanges
Application	EPDM : Hot water, Cold water, HVAC, Irrigation NBR : Hydrocarbons, Waste water, Sea water, Fuel, Natural gas, Oil, Grease, Compressed air, Glycol
Flange	PN10, PN16, PN25, PN40
Face to face	EN 558-1 series 14, ISO 5752 series 14
Shell tightness test	According to EN 12266-1 resistance and tightness of the body : test P11 (1,5 x allowable operating pressure)
Seat tightness test	According to EN 12266-1 seat tightness : test P12 rate A (1,1 x allowable operating pressure)
Top flange	EN ISO 5211
Options	Other specifications on request

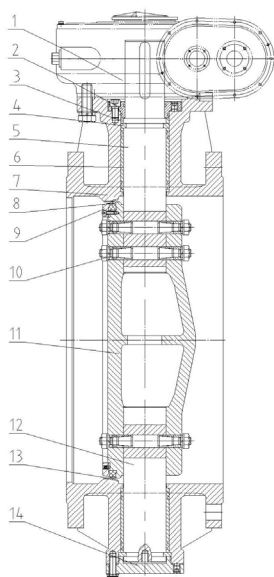
### ADVANTAGES

- Can isolating or regulating gas or liquid
- Double eccentric design
- Easy maintenance
- Stable use under high pressure and high frequency operating conditions
- Zero leakage in both direction
- Ultra-low torque

Dimensions/ PN16															unitmm					
DN	D1	D2	D3	B	f	L		n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4	
						Series 14	Series 13													
200	Φ400	Φ295	Φ266	20	3	230	152	12-0-3	175	137	193	526	198	272	64	99	86	196	240	
250	Φ460	Φ355	Φ319	22	3	250	165	12-0-28	207,5	178	233	623	230	328	93,4	135	115	240	320	
300	Φ460	Φ410	Φ370	24,5	4	270	178	12-0-28	235	178	233	670	254	351	93,4	135	115	275	320	
350	Φ520	Φ470	Φ429	26,5	4	290	190	16-0-28	265	192	283	784	295	407	120	169	138	290	400	
400	Φ500	Φ525	Φ480	28	4	310	216	16-0-31	295	192	283	853	334	437	120	169	138	320	400	
450	Φ640	Φ585	Φ548	30	4	330	222	20-0-31	325	317	378	938	368	486	120	186	138	360	400	
500	Φ715	Φ650	Φ609	31,5	4	350	229	20-0-34	362,5	315	378	1019	400	530	148	214	166	395	400	
600	Φ940	Φ770	Φ720	36	5	390	267	20-0-37	425	315	376	1117	480	548	148	214	166	470	400	
700	Φ1010	Φ840	Φ794	39,5	5	430	292	24-0-37	460	346	407	1308	563	640	185	265	196	480	400	
800	Φ1025	Φ950	Φ901	43	5	470	318	28-0-41	517,5	346	407	1426	623	698	185	265	196	510	400	
900	Φ1125	Φ1050	Φ1001	46,5	5	510	330	28-0-41	567,5	390	451	1612	698	789	230	333	232	660	400	
1000	Φ1255	Φ1170	Φ1112	50	5	550	410	28-0-44	635,5	451	512	1773	766	882	230	368	232	600	400	
1200	Φ1465	Φ1390	Φ1328	57	5	630	470	32-0-50	747,5	507	568	2112	910,5	1038	315	453	327	800	400	
1400	Φ1685	Φ1590	Φ1530	60	5	710	530	36-0-50	847,5	599	660	2529	1063	1253	412	613	408	920	400	
1500	Φ1820	Φ1710	Φ1640	62,5	5	750	565	36-0-57	915	599	660	2633	1120	1300	412	613	408	1000	400	
1600	Φ1930	Φ1820	Φ1750	65	5	790	600	36-0-57/4-M52	970	599	660	2754	1172	1369	412	613	408	1060	400	
1800	Φ2130	Φ2020	Φ1950	70	5	870	670	36-0-57/4-M52	1100	777	838	3527	1416	1602	495	725	485	1170	600	
2000	Φ2435	Φ2230	Φ2150	75	5	950	760	48-0-62	1178	777	838	3623	1583	1701	495	725	485	1200	600	

Dimensions/ PN40											unit:mm										
DN	D1	D2	D3	B	f	L		n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4		
						Series 14															
200	Φ 375	Φ 320	Φ 284	30	3	230	12-Φ 31	192,5	178	233	603	229	309	93,4	135	115	180	320			
250	Φ 450	Φ 385	Φ 345	35	3	250	12-Φ 34/4-M30	230	192	283	712	261	369	120	169	138	200	400			
300	Φ 515	Φ 450	Φ 409	40	4	270	12-Φ 34/4-M30	262,5	317	376	795	305	408	120	186	138	240	400			
350	Φ 580	Φ 510	Φ 465	44	4	290	12-Φ 37/4-M33	295	315	376	904	360	455	148	214	166	320	400			
400	Φ 660	Φ 585	Φ 536	48	4	310	12-Φ 41/4-M36	336	316	376	1001	407	606	148	214	166	320	400			
450	Φ 685	Φ 610	Φ 560	49	4	330	16-Φ 41/4-M36	347,5	346	407	1067	429	533	185	265	196	360	400			
500	755	Φ 670	Φ 615	52	4	350	16-Φ 41/4-M39	382,5	346	407	1180	477	598	185	265	196	450	400			
600	Φ 890	Φ 795	Φ 735	58	5	390	16-Φ 50/4-M45	450	390	451	1363	555	683	230	333	232	500	400			
700	Φ 995	Φ 900	Φ 840	64	5	430	20-Φ 42/4-M45	505	507	568	1625	656	795	315	453	327	560	400			
800	Φ 1140	Φ 1038	Φ 960	72	5	470	20-Φ 55/4-M52	575	507	568	1696	654	868	315	453	327	630	400			
900	Φ 1250	Φ 1140	Φ 1070	76	5	510	24-Φ 55/4-M52	635	507	568	1904	785	955	315	453	327	690	400			
1000	Φ 1360	Φ 1250	Φ 1180	80	5	550	24-Φ 55/4-M52	690	599	660	2038	837	989	412	613	408	740	400			
1100	Φ 1460	Φ 1350	Φ 1280	85	5	590	24-Φ 55/8-M52	735	599	660	2394	997	1174	412	613	408	800	400			
1200	Φ 1575	Φ 1460	Φ 1380	88	5	630	24-Φ 62/8-M56	792,5	777	838	2596	1077	1279	495	725	495	860	600			
1400	Φ 1795	Φ 1680	Φ 1600	98	5	710	28-Φ 62/8-M56	902,5	777	838	2839	1200	1400	495	725	495	1000	600			
1500	Φ 1825	Φ 1800	Φ 1715	105	5	750	28-Φ 70/8-M64	967,5	777	838	3041	1305	1497	495	725	495	1080	600			
1600	2025	Φ 1900	Φ 1815	108	5	790	32-Φ 70/8-M64	1018	958	3252	1410	1520	560	820	566	1110					

## NOMENCLATURE



Designation	Materials
1.Gearbox	Ductile iron
2.Packing gland	Ductile iron
3.Adjusting bush	Aluminium bronze
4.Bisect ring	Aluminium bronze
5.Upper stem	Stainless steel 420
6.Bearing	Aluminium bronze
7.Body	Ductile iron
8.Disc seal ring	EPDM, NBR
9.Retainer ring	Stainless steel 304
10.Expansion pin	Stainless steel 420
11.Disc	Ductile iron
12.Lower stem	Stainless steel 420
13.Seat	EPDM, NBR
14.Stem cover	Ductile iron

## DESIGN

