



**Automated Environmental Systems Ltd., Unit B,  
Anglian Lane, Bury St. Edmunds, Suffolk, IP32 6SR**

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Design	EN 1171
Flange	EN 1092-2
Face To Face	EN558-1 Series 3
Tests	EN 12266-1
Reference Standard	
Drive Form	Handwheel / Cap
Medium	Water
Temperature	0-80°C
Seal Test	11/18/28Bar
Body Test	15/24/38Bar
PN	10/16/25Bar
DN	DN40-DN300

Main Technical Parameters		
No.	Name	Materials
17	Core	DUCTILE IRON
16	Stem Nut	CuZn39Pb1 Brass
15	O Ring	NBR
14	O Ring	NBR
13	O Ring	NBR
12	Dustcover	NBR
11	Flat washer	AISI304 STAINLESS STEEL
10	Bolt	AISI304 STAINLESS STEEL
9	Handwheel/Cap	DUCTILE IRON
8	Thrust Nut	CuZn39Pb1 Brass
7	Holding Ring	CuZn39Pb1 Brass
6	Thrust Washer	CuZn39Pb1 Brass
5	Bonnet	DUCTILE IRON
4	Stem	AISI420 STAINLESS STEEL
3	Bonnet Gasket	NBR
2	Disc	EPDM+DUCTILE IRON
1	Body	DUCTILE IRON

DN	OUTLINE mm		M	H	H1	END FLANGE EN1092-2 PN10/16 mm					END FLANGE EN1092-2 PN25 mm					Switch Turns	Closing Torque (N.m)
	BS5163					D	K	n-d	B	f	D	K	n-d	B	f		
	L																
40	165		Ø180	215	275	150	110	4-Ø19	19	3	150	110	4-Ø19	19	3	9	30
50	178		Ø180	215	275	165	125	4-Ø19	19	3	165	125	4-Ø19	19	3	9	40
65	190		Ø200	250	310	185	145	4-Ø19	19	3	185	145	8-Ø19	19	3	10	50
80	203		Ø200	275	330	200	160	8-Ø19	19	3	200	160	8-Ø19	19	3	12	60
100	229		Ø220	320	380	220	180	8-Ø19	19	3	235	190	8-Ø23	19	3	12	80
125	254		Ø254	365	415	250	210	8-Ø19	19	3	270	220	8-Ø28	19	3	14.5	100
150	267		Ø280	400	450	285	240	8-Ø23	19	3	300	250	8-Ø28	20	3	17	120
200	292		Ø315	495	550	340	295	8-Ø23/12-Ø23	20	3	360	310	12-Ø28	22	3	18.5	150
250	330		Ø406	590	645	405	350/355	12-Ø23/12-Ø28	22	3	425	370	12-Ø31	24.5	3	23	200
300	356		Ø406	670	725	460	400/410	12-Ø23/12-Ø28	24.5	4	485	430	16-Ø31	27.5	4	27	250

No.	Name	Materials
Assembly Drawing		Gate Valve
TOLERANCE LEVELS TO ISO SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		