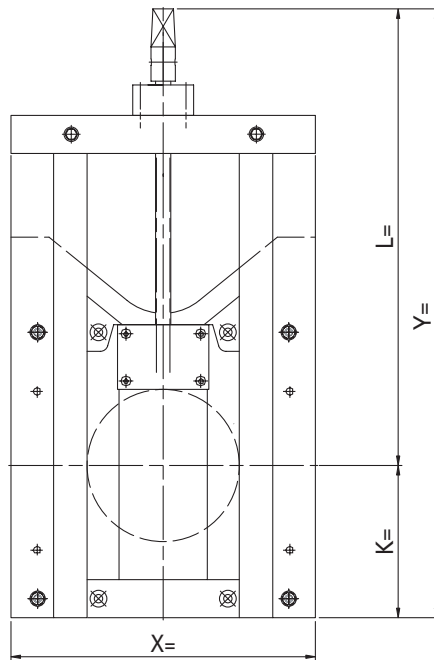
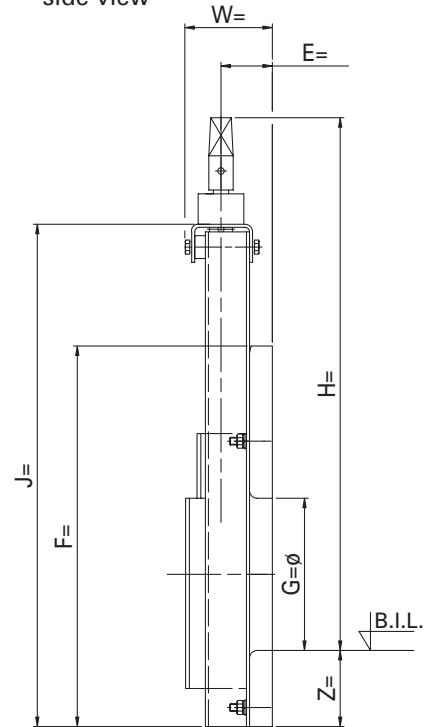


	Part	Material
1	cross bar	Stainless steel AISI 316
2	guides	Stainless steel AISI 316
3	frame plate	HDPE
4	door	HDPE
5	reinforcement profiles	Stainless steel AISI 316
6	bearing house	POM
7	bearing	Stainless steel AISI 316
8	bearing ring	Polymer
9	spindle	Stainless steel AISI 316
10	nut	Bronze
11	distance block	HDPE
12	sealing door / frame plate	EPDM
13	sealing penstock / concrete	Neoprene
14	conical socket	Stainless steel AISI 316
15	end stop	Stainless steel AISI 316
16	bare shaft	Stainless steel AISI 316

front view

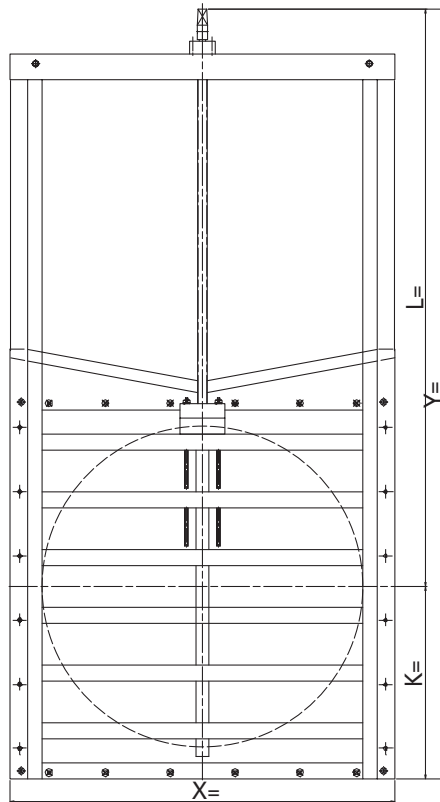


side view

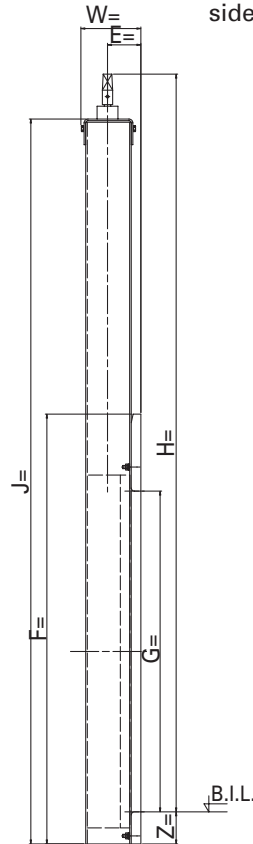


Product	HDPE Penstock type PRA-G				
Application	End valve in sewer systems, waste water treatment plants etc				
Standard pressure	5 meter water column on and off-seating pressure from bottom of invert higher pressures on request				
Operation possibilities					
Installation instructions					
Diameter	Ø 150	Ø 200	Ø 250	Ø 300	Ø 400
X	400	400	500	500	600
K	175	200	225	250	300
L	625	600	775	750	900
Y	800	800	1000	1000	1200
J	660	660	860	860	1060
F	500	500	600	600	700
W	115	115	115	115	124
E	68	68	68	68	68
H	700	700	900	900	1100
Z	100	100	100	100	100
number of chemical anchors	4 xM8	4 xM8	4 xM8	4 xM8	4 xM8
number of counter sunk head screws	4 xM10	4 xM10	4 xM10	4 xM10	4 xM10
spindle bare shaft	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20
thread	TR20X4L	TR20X4L	TR20X4L	TR20X4L	TR20X4L
number of turns open / close	62	62	87	87	112
weight in kg	20	19	24	24	30
note 1	door of PRA-G diameter 400 mm will be executed with 2 small profiles				
note 2	nut block is polyacetal (POM)				

front view

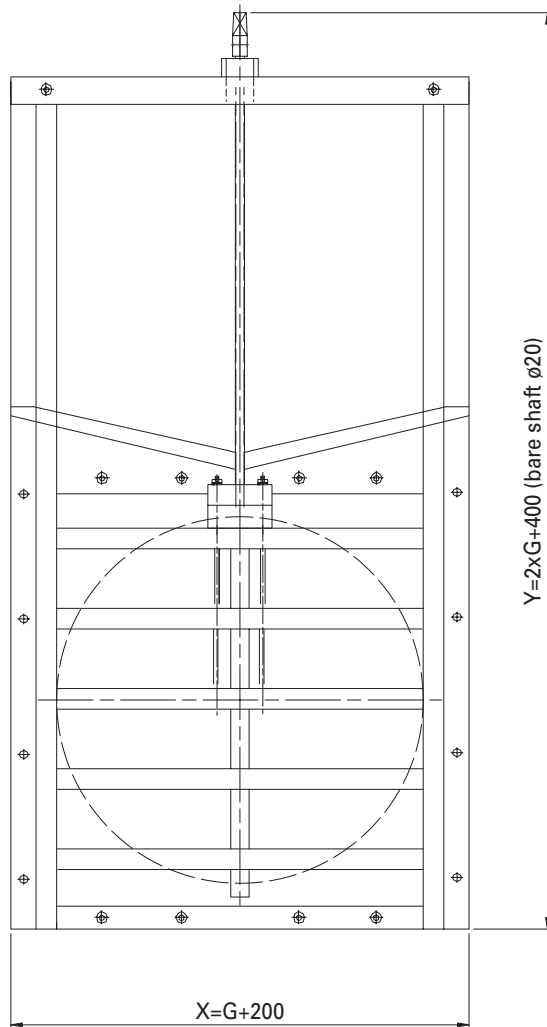


side view

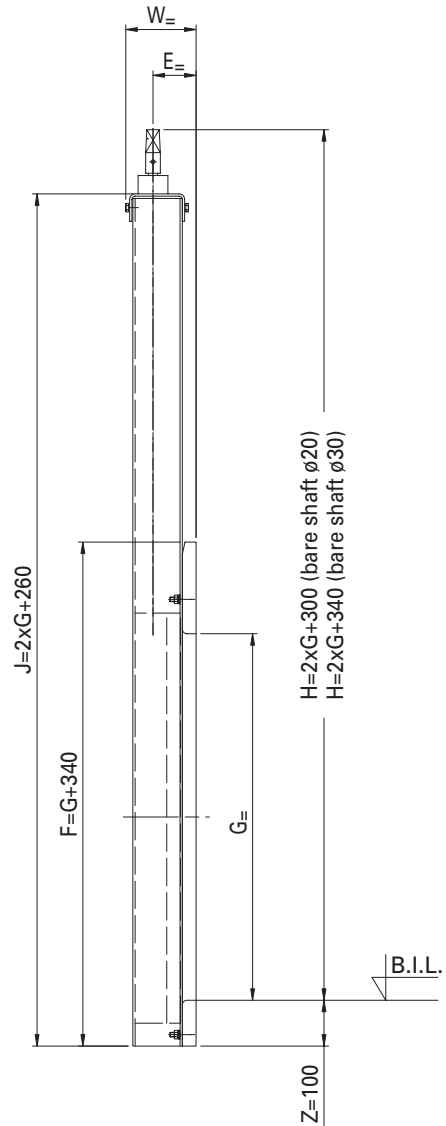


Product	HDPE Penstock type PRA-G												
Application	End valve in sewer systems, waste water treatment plants etc.												
Standard pressure	5 meter water column on and off-seating pressure from bottom of invert higher pressures on request												
Operation possibilities													
Installation instructions													
Diameter	Ø 500	Ø 600	Ø 700	Ø 800	Ø 900	Ø 1000	Ø 1100	Ø 1200	Ø 1300	Ø 1500	Ø 1600	Ø 1800	Ø 2000
X	700	800	900	1000	1100	1200	1300	1400	1500	1850	2000	2200	2400
K	350	400	450	500	550	600	650	700	750	875	925	1025	1125
L	1050	1200	1350	1500	1650	1800	1990	2140	2290	2725	2975	3275	3575
Y	1400	1600	1800	2000	2200	2400	2640	2840	3040	3600	3900	4300	4700
J	1260	1460	1660	1860	2060	2260	2460	2660	2860	3420	3675	4075	4475
F	800	940	1040	1140	1240	1340	1440	1540	1640	1900	2000	2400	2600
W	154	154	154	154	187	187	187	187	187	256	256	295	295
E	94	94	94	94	104	104	104	104	104	104	114	114	114
H	1300	1500	1700	1900	2100	2300	2540	2740	2940	3475	3775	4175	4575
Z	100	100	100	100	100	100	100	100	100	125	125	125	125
number of chemical anchors	6 xM8	6 xM10	8 xM10	8 xM10	10 xM10	12 xM10	12 xM12	14 xM12	16 xM12	16 xM12	18 xM16	20 xM16	22 xM16
number of counter sunk head screws	8 xM10	8 xM10	8 xM10	8 xM10	12 xM10	12 xM10	12 xM10	12 xM10	16 xM10	16 xM10	20 xM10	20 xM10	20 xM10
spindle bare shaft:	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20	Ø 30	Ø 30	Ø 30	Ø 30	Ø 40	Ø 40	Ø 40
thread:	TR20x4L	TR20x4L	TR24x5L	TR24x5L	TR30x6L	TR30x6L	TR36x6L	TR36x6L	TR36x6L	TR40x7L	TR50x8L	TR50x8L	TR50x8L
number of turns open/close	137	162	150	170	158	175	191	208	225	225	209	234	259
weight in kg	59	76	89	106	150	169	195	239	315	369	440	585	745

front view



side view



Product	HDPE Penstock type PRA-G
Application	End valve in sewer systems, waste water treatment plants etc
Standard pressure	5 meter water column on and off-seating pressure from bottom of invert higher pressures on request
Operation possibilities	
Installation instructions	

note 1 if a round penstock is required with a dimension in between a hundredfold in mm, the outside dimensions of a penstock with first coming hundredfold in mm will be followed.  
 for instance a penstock with opening diameter 925 mm will follow the outside dimensions of a penstock with diameter 1000 mm (so  $X = 1000 + 200$  and  $Y = 2 \times 1000 + 400$ )

note 2 Z measure is 100 mm for penstocks up to diameter 1300 mm  
 Z measure is 125 mm for penstocks starting from diameter 1400 mm