

Weyn-Lauwers N.V.

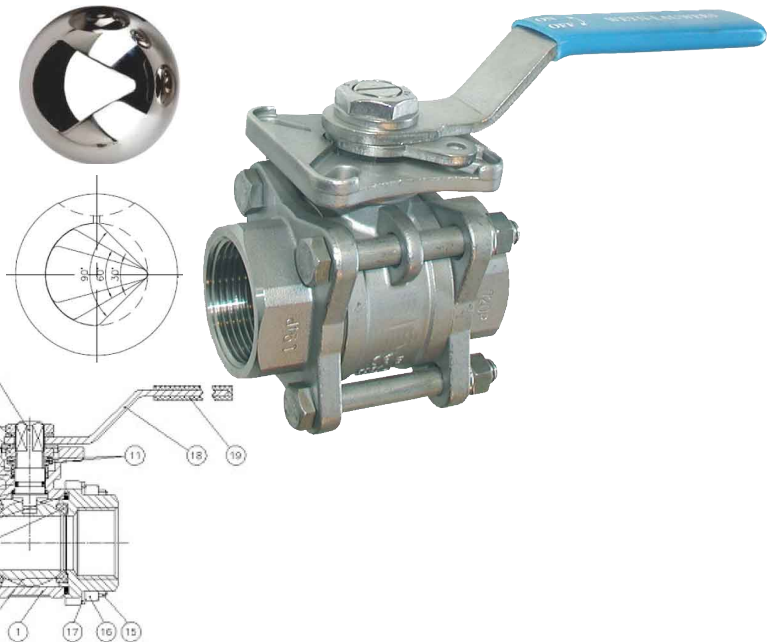
Industriepark-Noord 12
B - 9100 SINT-NIKLAAS

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BALL VALVE
BSP - V-port Ball
3-pc AISI 316
FIG 177V

DESIGN FEATURES

- 3-PC ball valve 1/2"-4"
- threaded BSP acc. DIN2999
- min. temp : -30°C
- max. temp : +180°C
- specifications :
 - anti-blow out stem
 - Locking device
 - V-port ball : 30° - 60° - 90°
 - direct mounting pad acc. ISO 5211

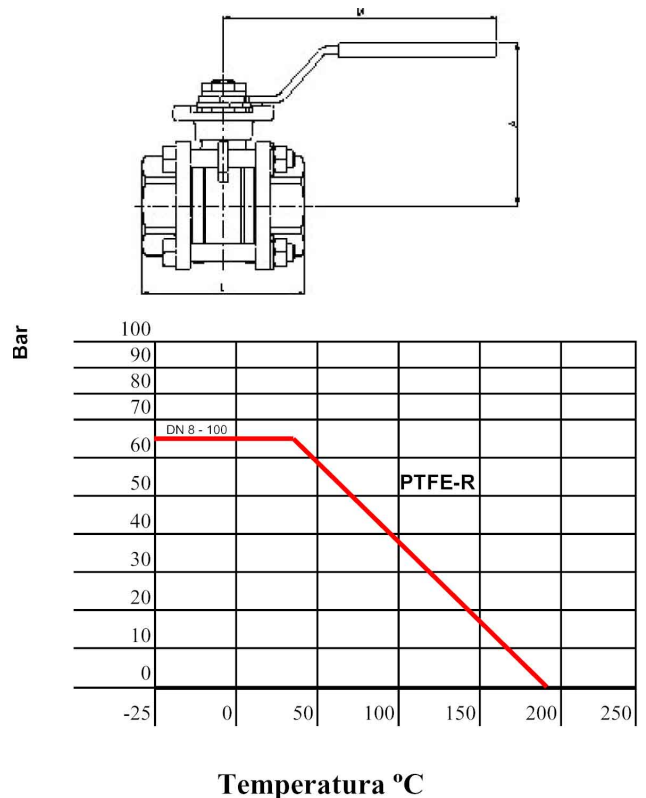


USE

- for all common fluids
- max. pressure : up to 63 bar

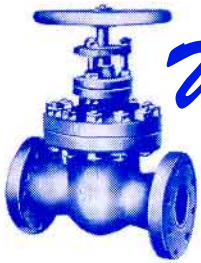
MATERIALS

item	Part name	Material
1	body	SS 316
2	ends	SS 316
3	ball	SS 316
4	stem	SS 316
5	ball seats	PTFE filled with 15 % glass
6	gasket	PTFE + graphite
7	trust washer	PTFE + graphite
8	O-ring	viton
9	stem packing	PTFE
10	stem ring	SS 316
11	spring washer	SS 304
12	nut	SS 304
13	washer	SS 304
14	stopper	SS 304
15	bolt	SS 304
16	nut	SS 304
17	bolt washer	SS 304
18	handle	SS 304
19	handle sleeve	vynil



SIZE (in mm)

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"		
A	60	70	70	88	94	100	150	165	175		
L	56	73	82	91	104	120	155	182	225		
M	112	138	138	160	205	205	330	330	340		
ISO5211	F04	F04/05	F04/05	F05/07	F05/07	F05/07	F07/10	F07/10	F07/10		
kg	0,44	0,82	1,02	1,79	2,46	3,47	8,50	12,40	21,35		
ref.	177V.04	177V.05	177V.06	177V.07	177V.08	177V.09	177V.10	177V.11	177V.12		

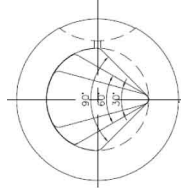


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Kv Values : m³/h

DN	"V" Port	Porcentaje de Rotación de esfera / Percent of ball rotation									
		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
15	30°	0	0	0.08	0.24	0.51	0.87	1.26	1.85	2.44	3.29
	60°	0	0	0.12	0.39	0.83	1.33	2.16	3.27	4.68	7.18
	90°	0	0	0.16	0.53	0.98	1.82	2.96	4.79	8.19	10.81
20	30°	0	0.01	0.18	0.48	0.97	1.75	2.61	3.66	4.83	6.2
	60°	0	0.01	0.27	0.79	1.55	2.63	4.13	6.27	9.13	13.69
	90°	0	0.02	0.33	0.98	2.01	3.44	5.53	8.92	14.74	22.29
25	30°	0	0.13	0.47	1	1.75	2.67	3.86	5.58	6.55	9.25
	60°	0	0.15	0.64	1.51	2.71	4.42	6.57	9.54	13.44	20.45
	90°	0	0.22	1.01	2.07	3.76	5.9	8.89	14.2	23.8	34.5
32	30°	0	0.25	0.78	1.65	2.87	4.4	6.29	7.94	10.63	13.75
	60°	0	0.31	1.16	2.54	4.55	7.12	10.4	15.3	20.3	31.8
	90°	0	0.36	1.88	3.38	5.84	9.85	14.89	21.45	32.61	52.9
40	30°	0	0.32	0.95	2.15	3.42	5.79	8.65	11.12	14.58	20.05
	60°	0	0.56	1.7	3.8	6.9	10.85	15.23	21.95	30.5	45.38
	90°	0	0.55	2.56	4.93	8.36	14.46	21.15	30.3	51.4	95.35
50	30°	0	0.62	2.07	4.21	6.94	10.29	14.52	19.28	24.9	31.65
	60°	0	0.89	3.22	6.43	10.91	16.69	24.68	31.53	49.61	68.42
	90°	0	1.23	4.32	8.69	13.96	21.57	33.59	45.43	74.58	131.5
65	30°	0	1.68	3.88	7.8	12.4	19.6	26.7	38.3	49.8	61.7
	60°	0	1.57	5.01	11.6	17.7	27.2	41.2	62.8	83.7	117.2
	90°	0	1.39	9.08	16.4	25.4	39.5	65.6	93.2	140.6	197
80	30°	0	1.5	3.9	9.45	15.2	23.3	33.4	45.2	62.7	81.8
	60°	0	1.14	10.5	12.3	21.5	42.1	64	87.3	105.9	148.1
	90°	0	1.63	9.1	17.3	29.9	50.4	77.4	122.6	182.9	302.7
100	30°	0	3.1	8.3	15.2	27.3	41.8	56.7	78.5	102.5	124.8
	60°	0	5	11.9	19.3	40.3	63.2	92.5	135.9	189.9	258.6
	90°	0	5.6	18.9	33.8	57.1	86.7	132.8	204.6	312.8	507.7