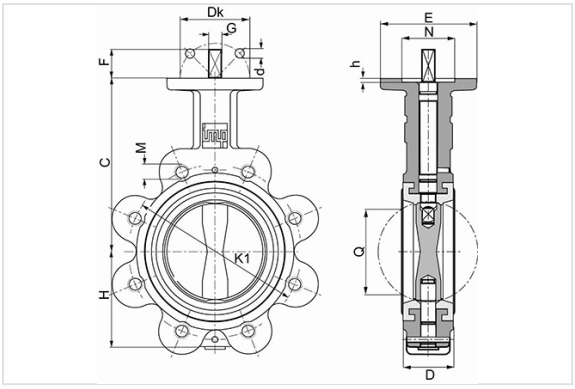
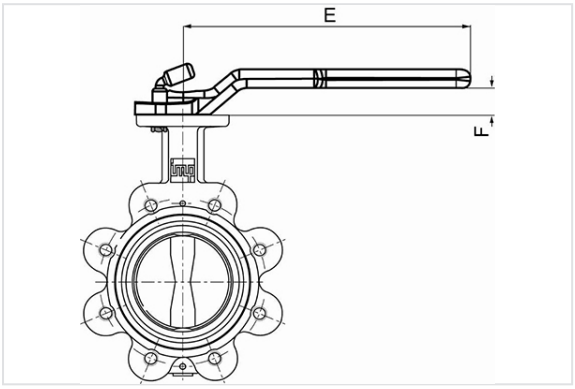
Lug butterfly valve without flange clockwise type 125 DN50-200

				PN 10		PN 16	
DN (mm)	Version	E (mm)	F (mm)	Mass (kg)	References	Mass (kg)	References
100	Lever operated	305	28	10.70	208521	10.70	208521

(*) please contact us



Lever operated: lever made from ductile iron, blue epo... coated (thickness 250 microns mini).



DN	PN10			PN16			PN25			K	H	D	E	Dk	d	N	h	F	G	Q
	K1	M	Number	K1	M	Number	K1	M	Number											
mm	mm	mm		mm	mm		mm	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
50	125	16	4	125	16	4	125	16	4	143	67	43	100	70	9	55	4	19	14	31
60	135	16	4	135	16	4	135	16	8	155	73	46	100	70	9	55	4	19	14	46
65	145	16	4	145	16	4	145	16	8	155	73	46	100	70	9	55	4	19	14	46

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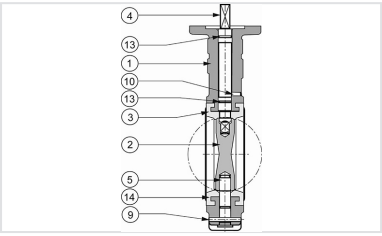
DN	PN10			PN16			PN25			K	H	D	E	Dk	d	N	h	F	G	Q
	K1	M	Number	K1	M	Number	K1	M	Number											
mm	mm	mm		mm	mm		mm	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
80	160	16	8	160	16	8	160	16	8	162	80	46	100	70	9	55	4	19	14	62
100	180	16	8	180	16	8	190	20	8	181	100	52	100	70	9	55	4	19	14	90
150	240	20	8	240	20	8	250	24	8	210	122	56	100	70	9	55	4	21	17	135
200	295	20	8	295	20	12	310	24	12	240	155	60	150	102	11	70	4	25	22	189

Material and coating



Item	Description	Material	Coating
1	Body	Ductile Iron	Blue epoxy 250 microns
2	Disc	Stainless Steel 304	
3 and14	Seal	EPDM	
4 and 5	Shaft	Stainless Steel X20Cr13	
9	O-ring	EPDM	
10	Plug	HDPE	

Hydraulic characteristics

The headloss ΔP is expressed by the flow coefficient Kv that is the flow at a temperature of 20°C crossing the valve by triggering a headloss of 1 bar.

Those figures are tied by the simple following relation:

$$Kv = \frac{Q}{\sqrt{\Delta P}}$$

with Q in m³/h and Kv in m³/h, ΔP in bar.

Kv values depending on the degree of the valve opening:

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DN	Degree of valve opening								
mm	10°	20°	30°	40°	50°	60°	70°	80°	90°
50	-	0.9	5.9	14.0	28.0	51.0	88.0	111.0	112.0
60-65	-	2.4	11.0	26.0	49.0	87.0	156.0	232.0	249.0
80	-	5.0	20.0	47.0	87.0	151.0	274.0	442.0	492.0
100	-	9.2	37.0	84.0	154.0	260.0	471.0	789.0	895.0
150	-	22.0	108.0	221.0	381.0	621.0	1062.0	1802.0	2099.0
200	-	53.0	204.0	392.0	657.0	1050.0	1731.0	2946.0	3715.0

Conformity to Standards

- Face to face dimensions EN 558-1 serie 20
- Flanges of connection to pipes EN 1092-2
- Pressure tests EN 12 266-1

Drinking water approval

Epoxy coating and the rubber satisfy the requirements for drinking water of KTW and WRC - DGS in progress.

Marking

On the label:

Necessary screw kits to install on the valve

In order to install the valve, it's necessary to order corresponding screw kits.

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