

ECO Knife Gate Valves

of stainless steel, wafer type and as end-of-line valve, non-rising stem type

Range of application

Size DN	Pressure rating PN	Hydrost. test pressure ³⁾ in bars for		Max. admissible working pressure in bars at a work. temp. of up to 70 °C
		body	seat	
50 - 100	10	17	11	10
125 - 300	6	12	6,6	6
350	4	6	4,4	4
400 - 600	2,5	3,75	2,2	2,5

When placing the order, please specify flow medium, concentration, working pressure, and working temperature.

Types

Wafer type to DIN 2501, DN 50 - 150: PN 16.

Wafer type to DIN 2501, DN 200 - 600: PN 10.

Materials/Equipment

Body components	up to DN 400 austenitic CrNiMo steel 1.4404, from DN 450 S. S. 1.4301 with liner S. S. 1.4404
Yoke components	ferritic CrNi steel 1.4301
Gate	Austenitic CrNiMo steel 1.4571
Stem	Ferritic chrome steel
Seat seal	Elastomer
Profile seal resilient, preset/ adjustable	Elastomer/PTFE
Connecting parts	Stainless steel A2, DIN-ISO 3506
Handwheel	Cast aluminium

Dimensions

Size DN	Face-to-face dimension L mm	Height (closed) H ¹⁾ mm	Handwheel dia. D mm	Thread Tr/-LH d mm	Turns per travel ¹⁾ approx.	Weight ²⁾ kg
50	40	386	180	16 x 3	17	9,0
65	40	386	180	16 x 3	22	9,5
80	50	396	180	16 x 3	27	10,0
100	50	457	225	20 x 4	25	12,5
125	50	507	225	20 x 4	31	15,5
150	60	552	225	20 x 4	38	19,5
200	60	654	280	24 x 5	40	38,0
250	70	764	280	24 x 5	50	51,0
300	70	864	360	24 x 5	60	67,0
350	70	1017	360	30 x 6	58	96,0
400	90	1167	500	30 x 6	67	139,0
450	92	1285	500	30 x 6	75	261,0
500	92	1345	500	36 x 6	83	311,0
600	110	1575	500	36 x 6	100	468,0

On request, ECO Knife Gate Valves are also available with regulating orifice, Prod. No. 4686

¹⁾ From DN 300 handwheel without round handle.

²⁾ Net (without obligation).

³⁾ According to EN 12266 and EN 1074

Note:

For the prevention of accidents, a protective box covering the travelling range of the gate will be mounted on request.

