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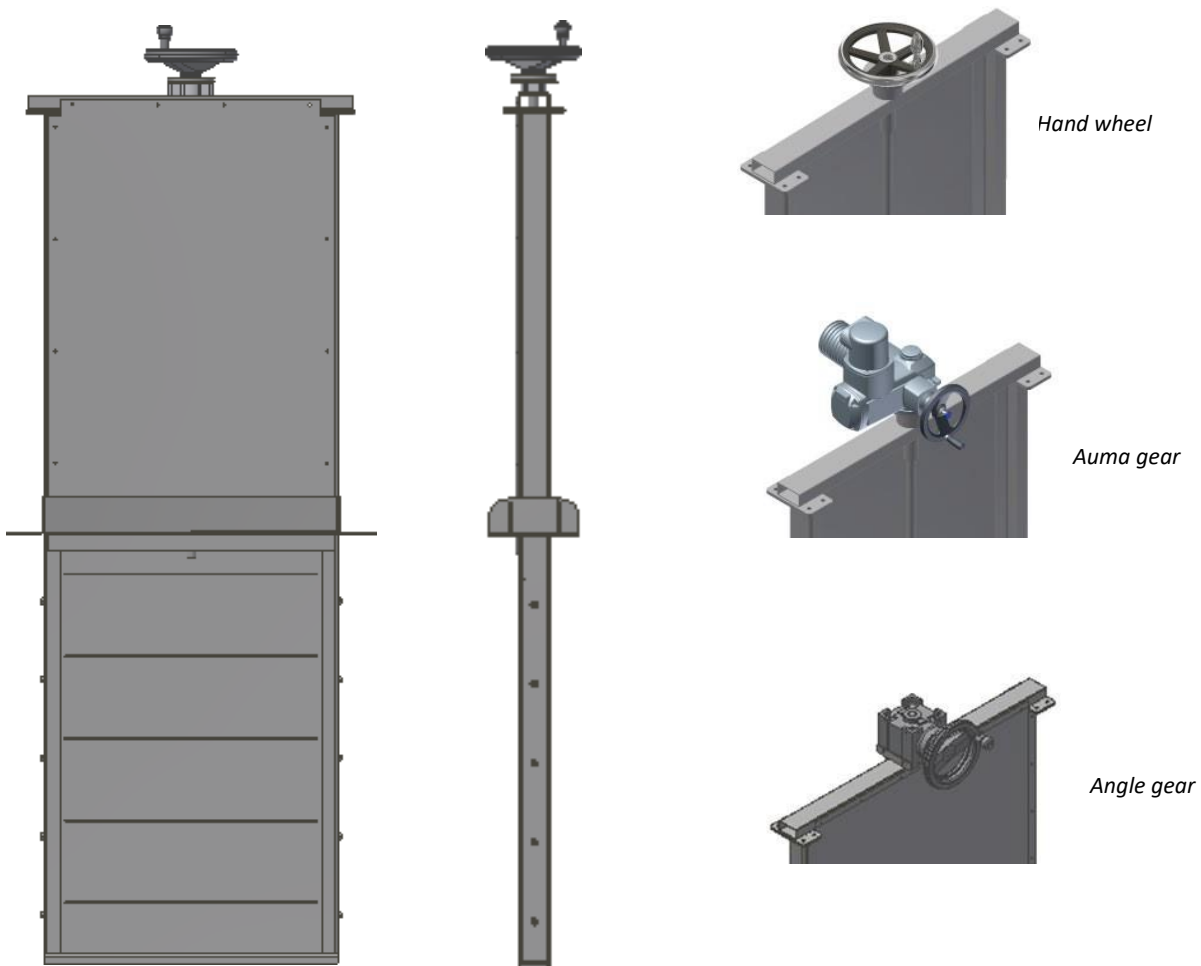
Data sheet

Product: Grate channel valve

Type number: AQ.017.001

Grate channel valve AQ.017.001

The AQ.017.001 grate channel valve is used to shut off the grating structure before and after the grate. The product is available with a frame profile in either stainless EN 1.4301 or acid-proof EN 1.4404 and PEHD guide profiles for the valve plate. Above floor level, the valve is shut-off with plates on both sides to shield against possible media and odour nuisance. The product is ready for embedding. Aquagain offers the AQ.017.001 grate channel valve with 1:1 or 1:2 angular gear, AUMA gear or hand wheel: regardless of the type, the product is prepared for its installation. The spindle is an M25 non-rising trapezoidal spindle. The rise of the spindle is 5 mm/turn.



Technical Data

AQ.017.001 grate channel valve is designed in accordance with Machinery Directive 2006/42/EC and meets the mandatory requirements according to The Low Voltage Directive 2014/35/EU - *only applicable when motor/gear is selected*, EMC Directive 2014/30/EU - *only applicable when motor/gear is selected*, DS/EN ISO 12100:2011 Safety of machinery - General principles for design - Risk assessment and risk reduction, DS/EN 60204-1:2006 Safety of machinery - Electrical equipment of machines - Part 1: General requirements, DS/EN 12255-1 section 4.3.1 general construction principles, DS/EN 12226-1 industrial valves - Testing of valves Part 1 pressure tests, test procedures and acceptance criteria-mandatory requirements

Pressure ratio: 6 mVs
 Watertight from both sides.



Material

Frame: Stainless steel EN 1.4301 or acid-proof steel EN 1.4404

Valve plate: Stainless steel EN 1.4301, acid-proof steel EN 1.4404

Spindle: Stainless steel EN 1.4301, acid-proof steel EN 1.4404

Bushing: Bronze 25 QOB A R (zinc-free)

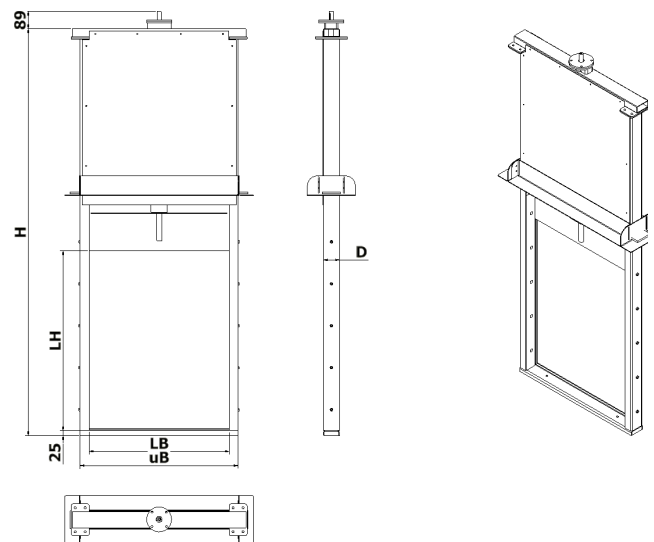
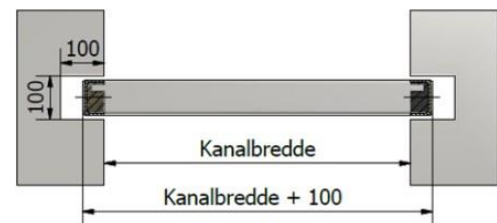
Rails in valve frame: PEHD plastic

All materials are acid resistant and durable in aggressive media.

Disposal

When disposing of the product, it must be detached. Then it has to be disassembled and screwed apart. This product consists of 3 kinds of materials: Stainless steel, PEHD plastic and bronze. Product materials are disposed of appropriately through sorting and recycling.

Dimensions



Inside diameter (mm)	LH	H	LB	UB	D	Spindle \varnothing	mVs
400x400	400	1035	400	490	80	25	6
500x500	500	1235	500	690	80	25	6
600x600	600	1435	600	790	80	25	6
700x700	700	1635	700	890	80	25	6
800x800	800	1835	800	990	80	25	6
1000x1000	1000	2235	1000	1090	80	25	6
1200x1200	1200	2635	1200	1290	80	25	6
1400x1400	1400	3035	1400	1490	80	25	6

*Other dimensions on request.