THE HIGH-PRESSURE CLEANER FOR YOUR SUMP.

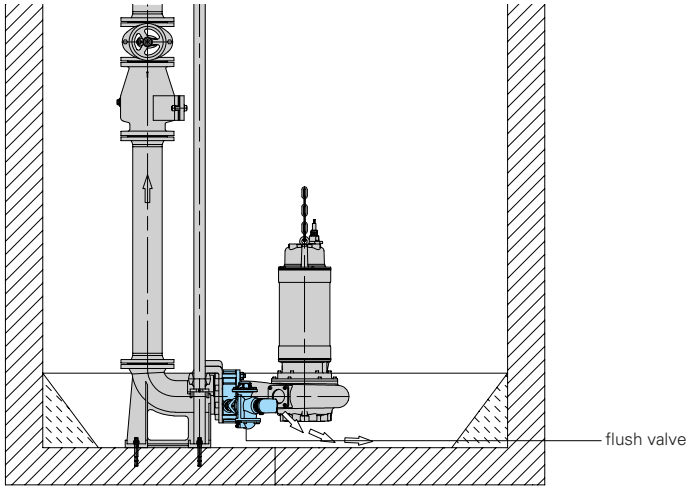
The next generation of automated flush valves: FV 25 / FV 50

HOMA
PUMP TECHNOLOGY

A CLEAN SOLUTION

Pump stations must be cleaned regularly due to sedimentation or the formation of a scum layer. Possible causes of these problems are: insufficient inflow, an oversized pump station or a high amount of grease and solids in the wastewater. The results are unpleasant odors, clogged level controllers and a reduction in operating performance, as well as high costs due to downtimes and necessary cleaning or maintenance work.

HOMA provides the solution for these problems: **The new automated flush valves FV 25 and FV 50.**



» COMPELLING PERFORMANCE

Application

The new HOMA flushing valves FV 25 and FV 50 reliably prevent the accumulation of solids and grease in pits. When the pumping process starts, a portion of the pumped liquid is routed back into the pit through the opened valve. This creates a stream that disperses any solids in the medium and allows them to be pumped out without difficulty.

The valve nozzle can be directed either at the bottom of the pit to prevent sedimentation or upwards to prevent the formation of a scum layer, especially on liquids with high grease content.

At the end of the preset flushing time, the valve closes automatically to complete the flushing process.

The dispersed pollutants are pumped out with the medium. After the pumping process, the flushing valve opens again automatically for the next flushing process.

The flushing valve works on the basis of the Venturi effect and pressure differences. Therefore, it does not require any external control or power units.

Installation

The flushing valve is installed between the pump discharge flange and either the guide claw (if a coupling system is used) or the discharge pipe (if the pump is set up on the ground).

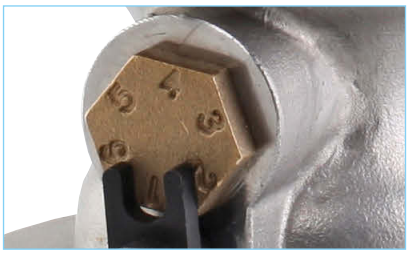
Adapter kits DN 50 (2") to DN 150 (6") are available for different discharge diameters.

On larger pumps, the flushing valve can also be mounted directly on the cleanout.

COMPELLING FEATURES

- » Compact and robust design
- » No external control or power units required
- » Easy replacement of wearing parts like nozzle or ball seat
- » Adjustable flushing time
- » Corrosion resistant stainless steel construction

The flushing time can be adjusted between 20 and 50 seconds.



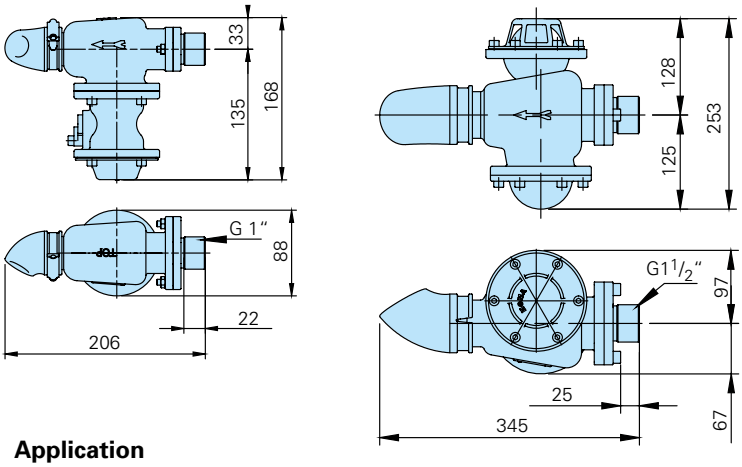
COMPELLING ENGINEERING

Types	Part No.
Flush Valve FV 25 FV 50	 8500120 8500122
Adapter kits	see selection table
Adapter for mounting on pump housing	on request

Material

Housing	stainless steel 1.4436
Adjusting screw	brass
Membrane / Nozzle	NBR
Ball seat	stainless steel 1.4571
Ball FV 25: FV 50:	ball bearing steel NBR w. steel core
Oil	food safe

Dimensions (in mm)



Application

	FV 25	FV 50
Power	for pump stations up to 1.2m / 3.9 ft diameter	for pump stations with more than 1.2m / 3.9 ft diameter
Medium temperature	max. 40°C /104°F	max. 40°C /104°F
pH-value	5-13	5-13
Weight	3.1 kg / 6.2 lb	11.2 kg / 19.8 lb
Flush time	recom. 20-50 sec.	recom. 30-50 sec.
min. geodetic head	-	8,5 m

Selection Table

Pump type	Coupling system	Flushing valve	Adapter-Kit / Part. No. (for refitting)	Coupling system / Part.-No. (for new installation)
GRP 16 - 50	SKB pump station	FV 25	Connecting flange 7323121	Connecting flange 7323121
GRP 16 - 50	KK 50S/R2"	FV 25	Connecting flange 7323121	Coupling system 8604008.51
GRP 16 - 50	KKR 50S/R2"	FV 25	Connecting flange 7323121	Coupling system 8604009.51
GRP 16 - 50	KKR 50S-1/R2"	FV 25	Connecting flange 7323131	Coupling system 8604018.51
GRP 56 - 111	KK 50/50	FV 25	Adapter DN50 - G1" 7325441	Adapter DN50 - G1" 7325441
MXS13	KK(R) 80/80	FV 50		Direct connection on pump housing
MXS13	KK(R) 80/100	FV 50		Direct connection on pump housing
V13 / VX13 / MX13	KK(R) 80/80	FV 50	Adapter DN80 - G1½" 7325451	Adapter DN80 - G1½" 7325451 with 45° connecting bend
V13 / VX13 / MX13	KK(R) 100/80	FV 50	Adapter DN80 - G1½" 7325451	Adapter DN80 - G1½" 7325451 with 45° connecting bend
MXS23 / MXS24	KK(R) 100/100	FV 50		Direct connection on pump housing
MXS23 / MXS24	KK(R) 150/100	FV 50		Direct connection on pump housing
V23 / VX23 / MX23	KK(R) 100/100	FV 50	Adapter DN100 - G1½" 7325461	Adapter DN100 - G1½" 7325461 with 45° connecting bend
V23 / VX23 / MX23	KK(R) 150/100	FV 50	Adapter DN100 - G1½" 7325461	Adapter DN100 - G1½" 7325461 with 45° connecting bend
VX24 / MX24	KK(R) 100/100	FV 50	Adapter DN100 - G1½" 7325461	Adapter DN100 - G1½" 7325461 with 45° connecting bend
VX24 / MX24	KK(R) 150/100	FV 50	Adapter DN100 - G1½" 7325461	Adapter DN100 - G1½" 7325461 with 45° connecting bend
K33 / VX34 / MX34	KK(R) 150/150	FV 50	Adapter DN150 - G1½" 7325471	Adapter DN150 - G1½" 7325471 with 45° connecting bend
K33 / VX34 / MX34	KK(R) 200/150	FV 50	Adapter DN150 - G1½" 7325471	Adapter DN150 - G1½" 7325471 with 45° connecting bend

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HOMA PUMP TECHNOLOGY

We reserve the right to alter our specifications without notice.

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