DESIGN MANUFACTURE SERVICE
SUSTAINABLE ENVIRONMENTAL TREATMENT SOLUTIONS

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Halgan reflux valve with pumping station

Halgan Reflux Valve with pumping station for wastewater and Stormwater applications. With telescopic extension for continuous height and level adjustment. Depth 486 – 640 mm.

Halgan Reflux Valve pumping station used in high risk applications when wastewater or stormwater backs up or surges. The reflux valve will close and pump activated when to discharge against the backwater.

Plug and Play control unit and alarm, with battery backup, has an integrated self-diagnosis system with option for connection to building management system. The control panel displays alarm, operating state and servicing instructions.

Pump is Type 3, 1Kw/230 volts. Protection type is IP54. Cable length 5 metres.

Normal mode Wastewater drains by gravity

Wastewater backs up reflux valve flap closes

When the wastewater on the inlet side backs up the pump is automatically activated and pumps against the backwater

Ideal for retro fitting as the drop between inlet and outlet only 9 mm.

Installation area 750 x 750mm

Ø 110 L:642mm H:394mm
Ø 160 L:656mm H:370mm
Reflux valve with automatic shut off

- Protection from surging sewers, tradewaste pre-treatment devices, stormwater and flood zones
- Ideal for commercial and industrial customers with chemical storage
- The Halgan Reflux valve with automatic shutoff has a dual flap valve. One flap can be manually closed and locked and the other flap is motorised and will close automatically when high wastewater is detected by the probe

Backwater valve - *Staufix FKA Komfort*
for wastewater with or without sewage
made of polymer, with telescopic upper section for continuous height- and level adjustment.

For installation in a concrete slab/floor for installation depth (D) from 486mm - 640mm
With surface water tight cover plate class A 15 made of polymer. Installation kit with choice of cover.

Backwater valve according to EN 13564 Type 3 with two open flaps. Plug-and-Play control unit with connection option to building management system and alarm protection type IP 54, with integrated self diagnosis system SDS, display for operating status and battery back-up, motor is rated, protection Type IP68 (3m,24h).

Supply voltage/frequency: 230 V AC/50 Hz.
Cable length: 5 m (15 m available on request).

**Outer diameter Ø (mm)**
With recessed cover for on-site tiling (X)
- Ø 110 L: 642 mm H: 394 mm
- Ø 125 L: 645 mm H: 387 mm
- Ø 160 L: 656 mm H: 370 mm
- Ø 200 L: 720 mm H: 348 mm

With black cover (S)
- Ø 110 L: 642 mm H: 394 mm
- Ø 125 L: 645 mm H: 387 mm
- Ø 160 L: 656 mm H: 370 mm
- Ø 200 L: 720 mm H: 348 mm

**Installation example**
1. Backwater valve
   *Staufix FKA Komfort*
2. Control unit
3. Gasket set (Art. # 83023)
Reflux valve with automatic shut off

- Backwater valve Staufix FKA Komfort - for installation in an exposed wastewater pipe

Backwater valve - **Staufix FKA Komfort**
for wastewater with or without sewage, made of polymer.

For installation in an exposed wastewater pipe.
With protective cover.

Backwater valve according to EN 13564 Type 3 with two open flaps. Plug-and-Play control unit with connection option to building management system and alarm, display for operating status and battery back-up, protection type IP 54, with integrated self-diagnosis system SDS, display for operating status and battery back-up, motor is rated protection Type IP 68 (3 m, 24 h). Supply voltage/frequency: 230 V AC/50 Hz.

Cable length: 5 m (15 m available on request).

**Outer diameter Ø (mm)**
- Ø 110 L: 642 mm H: 422 mm
- Ø 125 L: 645 mm H: 422 mm
- Ø 160 L: 656 mm H: 422 mm
- Ø 200 L: 720 mm H: 422 mm

**Installation example**

1. Backwater valve Staufix FKA Komfort
2. Control unit
Reflux valve with twin flap

- Twin flap backwater valve Staufix SWA - for installation in a concrete slab/floor

**Twin flap backwater valve Staufix SWA**
for wastewater
made of polymer, with telescopic upper section for continuous height- and level adjustment

For installation in a concrete slab/floor - for installation depth (D) from 486 - 640 mm

With surface water tight cover plate class A 15 made of polymer. Installation kit with choice of cover. Backwater flap valve according to EN 13564 Type 2 with two self-closing flaps, one of which can be locked by hand as an emergency closure.

**Outer diameter Ø (mm)**
With recessed cover for on-site tiling (X)
- Ø 110 L: 642 mm H: 394 mm
- Ø 125 L: 645 mm H: 387 mm
- Ø 160 L: 656 mm H: 370 mm
- Ø 200 L: 720 mm H: 348 mm

With black cover (S)
- Ø 110 L: 642 mm H: 394 mm
- Ø 125 L: 645 mm H: 387 mm
- Ø 160 L: 656 mm H: 370 mm
- Ø 200 L: 720 mm H: 348 mm

Installation area 750 x 750 mm

- Twin flap backwater valve Staufix SWA - for installation in an exposed wastewater pipe

**Twin flap backwater valve Staufix SWA**
for wastewater
made of polymer.

For installation in an exposed wastewater pipe. With protective cover.

Backwater flap valve according to EN 13564 Type 2 with two self-closing flaps, one of which can be locked by hand as an emergency closure.

**Outer diameter Ø (mm)**
- Ø 110 L: 642 mm H: 422 mm
- Ø 125 L: 645 mm H: 422 mm
- Ø 160 L: 656 mm H: 422 mm
- Ø 200 L: 720 mm H: 422 mm

Installation area 750 x 750 mm
Reflux valve with single flap

Product:

Storm water and surging sewers can be very expensive but prevention is cheap.

The Halgan Reflux valve ensures that all areas with openings are always protected from flooding, and from rodents.

How it works:

The Halgan Reflux valve is equipped with a hanging, lockable, flap valve. The flap valve ensures that the rainwater or sewage flows freely through the valve while simultaneously preventing any surges into the building.

Benefits:

- Designed to stop storm and sewage surges
- Protects underground rainwater storage tanks from contamination from surging stormwater (as per HB230-2006)
- Stop rodents entering through pipes
- All plastic construction
- Perfect for renovations - other reflux valves with large drops are difficult to install, the Halgan Reflux valve offers minimal drop from inlet to outlet

Perfect for Renovations

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Flap valve

- Backwater flap valves according to DIN 12056

**Multitube single flap backwater valve**
for wastewater
made of polymer, with telescopic upper section for continuous height- and level adjustment
Flap self-closing.

**Outer diameter Ø (mm)**
- Ø 260 A: 485 B: 455 C: 730 D: 260 E: 60
- Ø 320 A: 490 B: 470 C: 825 D: 320 E: 35
- Ø 410 A: 609 B: 610 C: 900 D: 410 E: 30
- Ø 515 A: 730 B: 700 C: 1200 D: 515 E: 40
  with connection couplings*.

Connection couplings allow connection to pipes with the following outer diameters:
- Ø 260: 250 - 275 mm
- Ø 320: 310 - 335 mm
- Ø 410: 385 - 410 mm
- Ø 515: 495 - 525 mm

**Pipe flap valve**
for wastewater
made of polymer
Flap self-closing. Inlet/outlet for connection to PVC pipe according to DIN 19534.

**Outer diameter Ø (mm)**
- Ø 110 L: 120 mm
- Ø 125 L: 136 mm
- Ø 160 L: 142 mm
- Ø 200 L: 170 mm

**Pipe flap valve**
for wastewater
made of polymer
For use as an end piece. Flap self-closing.

**Outer diameter Ø (mm)**
  without connection coupling, connection according to DIN 19534
- Ø 405 H: 420 L: 295 B1: 417 (1)
- Ø 506 H: 528 L: 320 B1: 522 (1)
- Ø 638 H: 659 L: 345 B1: 659 (1)
  with connection couplings*.

Connection couplings allow connection to pipes with the following outer diameters:
- Ø 260: 250 - 275 mm
- Ø 320: 310 - 335 mm
- Ø 410: 385 - 410 mm
- Ø 515: 495 - 525 mm
- Ø 638 - (2)
- Ø 800 - (2)
- Ø 1000 - (3)

* With connection couplings it is possible to connect pipes of different diameters. Compensating rings are necessary where the difference in outer diameter is > 12 mm.
** For wall installation
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