# HS Valve

The HS valve has been specially developed for the filling and draining of ebb and flow containers and trays. Compared to the Quick Valve, the feed and discharge flows are combined (see working principle). During filling, the water flows through a small hole in the internal cone, reducing the water flow and the water level can gradually rise. During discharge, the cone drops back into the valve, thus creating a larger discharge opening.

The passage opening can be reamed to achieve a higher filling capacity. A larger feed/discharge line should be used to achieve a higher discharge capacity.

## CHARACTERISTICS

- Can be drilled to 6 mm bore
- Equipped with a filtration cap
- Equipped with a ball valve so that each panel can be shut off separately
- Various connection possibilities

## TECHNICAL DATA

Filling capacity : see table
Passage opening : 3.5 mm (standard), can be bored out to 6 mm (do this in steps)
Discharge capacity : see table
Connection (feed/discharge) : plug connector for LDPE line 8 x 6 mm / 10 x 8 mm / 12 x 10 mm
Mounting hole diameter : 27 mm
Feed/discharge recommendation: LDPE line 12x10 mm (for larger capacities Tricoflex or Torsino ¾")

### HS valve filling capacity (l/min)

| Pressure (bar) | Passage opening (mm) 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 |
|---|---|---|---|---|---|---|---|---|---|
| 1,5 | 2,32 | 4,14 | 5,80 | 8,10 | 10,40 | 11,75 | 15,05 | 17,15 | 18,75 |
| 2,0 | 2,40 | 4,42 | 6,24 | 9,00 | 11,60 | 14,30 | 17,15 | 19,50 | 21,35 |
| 2,5 | 2,55 | 4,72 | 6,68 | 9,68 | 12,20 | 15,95 | 18,75 | 21,75 | 24,15 |
| 3,0 | 2,65 | 4,85 | 6,85 | 10,00 | 12,90 | 17,15 | 19,75 | 22,70 | 27,30 |
| 3,5 | 2,85 | 5,05 | 7,25 | 10,50 | 13,70 | 18,15 | 21,00 | 24,35 | 28,85 |
| 4,0 | 2,95 | 5,35 | 7,65 | 11,50 | 14,60 | 19,35 | 22,35 | 25,75 | 31,25 |

### Discharge capacity (l/min)

| Inlet/discharge inside diameter (mm) | | | |
|---|---|---|---|
| 6,0 | 8,0 | 9,0 | 10,0 |
| 1,7 | 3,5 | 5,0 | 6,0 |
| *line length of 1.5 m | | | |

### Working principle