

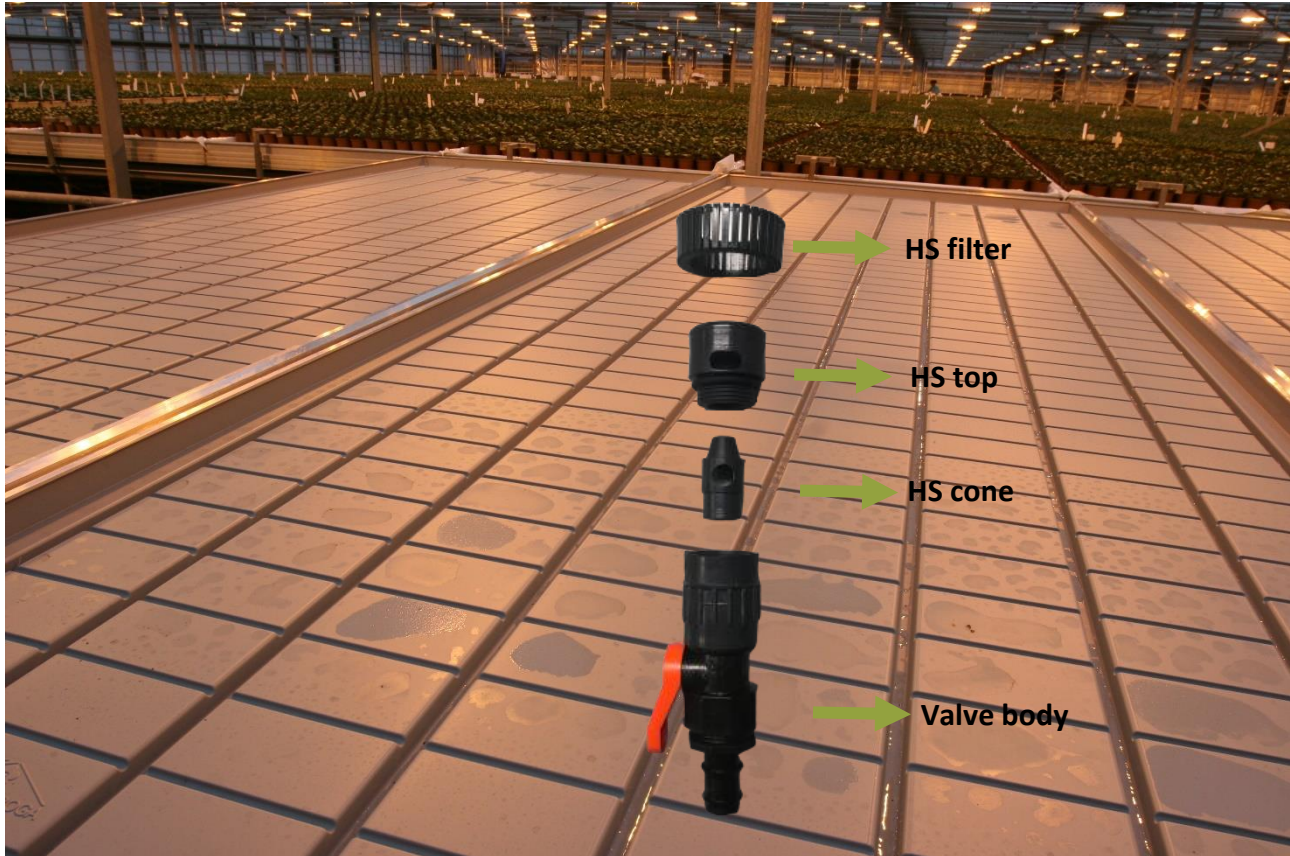
2021

Staal & Plast – HS Valve

**staal
plast**



HS Valve:



The HS Valve is a one string valve, meaning that both irrigation filling water and draining water is pumped through the same string.

Depending on the inside hole diameter and the filling water pressure, the filling capacity is varying from 2,3 liters/min up to over 31 liters/min.

The HS Valve is normally delivered with an inside hole diameter of 3,5 mm. Other inside hole diameters can be drilled on request.

Filling capacity is seen in the table below.

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

Hole diameter in valve cone (mm)

The draining capacity is varying from 1,7 up to 6,0 liters/min dependent on the inside hose diameter. Please see the table below.

Hole diameter in valve cone (mm)	2,0	2,5	3,0	3,5
2,0	1,70	3,50	5,00	6,00
2,5	1,70	3,50	5,00	6,00
3,0	1,70	3,50	5,00	6,00
3,5	1,70	3,50	5,00	6,00
6,0	8,0	1/2"	10,0	

Inside diameter in hose (mm)
Length = 1,5 m

The HS Valve can be delivered with 4 different hose connections:

¾" hose

½" hose

PE hose (8x10,5 & 10x12,5 mm)

PE hose (6x8 mm)



The HS Valve is also equipped with a manual bottom valve allowing you to avoid filling of a specific table or you can keep the irrigation water on the table.

The HS Valve can be installed below the Staal and Plast valve sump plastic filters, preventing the valve from being blocked by leaves, soil and other impurities.

The HS Valve is very durable and is designed to sustain its functionality for many years within the rough growing environment. The movable inside cone of the HS Valve can be disassembled easily for regular cleaning.