HVF. | Visual flow indicators

Technopolymer ends

INOX STAINLESS STEEL · RoHS · PP · +100° 0°

ENDS
Polypropylene based (PP) technopolymer, black colour, matte finish.

AXIS AND ROTOR PROPELLER
Polypropylene based (PP) technopolymer, red colour.

TUBULAR WINDOW
Borosilicate glass, high-resistance, also suitable for use with glycol-based solutions.
Maximum visibility of the flow from all angles.

TIE RODS
AISI 316L stainless steel.

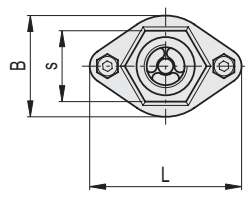
SCREWS AND NUTS
Zinc-plated steel.

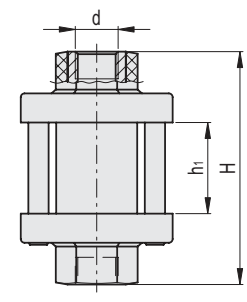
STANDARD EXECUTIONS
Cylindrical gas threading according to UNI ISO 228/1 or conical gas NPT - ANSI-ASME B1-20.
- **HVF.**: brass bosses and NBR synthetic rubber gasket.
- **HVF-SST**: AISI 316 stainless steel bosses and packing ring in VITON®*.

MAXIMUM CONTINUOUS WORKING TEMPERATURE
100° C.

FEATURES AND APPLICATIONS
The indicator can be mounted in any position.
In case of mounting on rigid tubes, it is recommended to place the indicator perfectly aligned with the tubes.
The indicator operates with two-way liquid flows.
For rotating the propeller it is required a minimum fluid flow rate (Q**) depending on the type of fluid and its viscosity (shown in cSt, see table)

SPECIAL EXECUTIONS ON REQUEST
Axis and rotor propeller in blue colour.
* Registered trademark by DuPont Dow Elastomers.





HVF. (G1/4 - G3/8 - G1/2) BSP ▼ METRIC

Code	Description	d	H	L	B	h1	s	Q max* l/min	P max # Bar	Q** l/min H2O	Q** l/min 0÷40 cSt	Q** l/min 41÷150 cSt	ΔP max ## Bar	⚖
111301	HVF.66-1/4	G 1/4	66	44	27	22	20	10	25	0.6	2.5	3.5	0.15	74
111311	HVF.92-3/8	G 3/8	92	60	40	36	28	20	15	1.2	3	4	0.25	176
111321	HVF.92-1/2	G 1/2	92	60	40	36	28	40	15	1.2	3	4	0.3	167

HVF. (NPT 1/4 - 3/8 - 1/2)

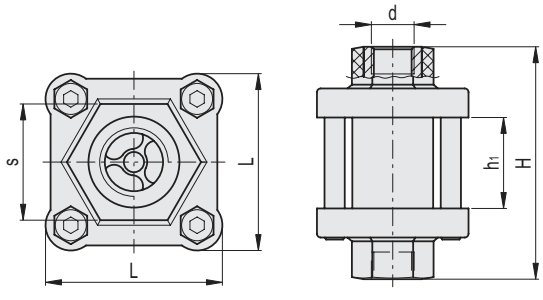
111304	HVF.66-1/4 NPT	1/4 NPT	66	44	27	22	20	10	25	0.6	2.5	3.5	0.15	74
111317	HVF.92-3/8 NPT	3/8 NPT	92	60	40	36	28	20	15	1.2	3	4	0.25	176
111324	HVF.92-1/2 NPT	1/2 NPT	92	60	40	36	28	40	15	1.2	3	4	0.3	167

HVF-SST (G1/4 - G3/8 - G1/2) BSP ▼ INOX STAINLESS STEEL METRIC

Code	Description	d	H	L	B	h1	s	Q max* l/min	P max # Bar	Q** l/min H2O	Q** l/min 0÷40 cSt	Q** l/min 41÷150 cSt	ΔP max ## Bar	⚖
111302	HVF.66-SST-1/4	G 1/4	66	44	27	22	20	10	25	0.6	2.5	3.5	0.15	74
111312	HVF.92-SST-3/8	G 3/8	92	60	40	36	28	20	15	1.2	3	4	0.25	176
111322	HVF.92-SST-1/2	G 1/2	92	60	40	36	28	40	15	1.2	3	4	0.3	167

* Maximum flow rate. # Maximum pressure
** Minimum flow rate to start the rotor for fluids of different viscosity
Pressure drop due to the indicator presence

elesa 10/2020



Conversion Table *1 mm = 0.039 inch*	
L	
mm	**inch**
44	**1.73**
60	**2.36**
70	**2.76**

HVF. (G3/4 - G1) BSP METRIC

Code	Description	d	H	L	h1	s	Q max* l/min	P max # Bar	Q** l/min H_2O	Q** l/min 0÷40 cSt	Q** l/min 41÷150 cSt	ΔP max ## Bar	⚖
111331	HVF.114-3/4	G 3/4	114	70	46	46	60	12	2.1	3.7	5	0.17	663
111341	HVF.114-1	G 1	114	70	46	46	80	12	2.1	3.7	5	0.15	667

HVF. (NPT 3/4 - 1)

Code	Description	d	H	L	h1	s	Q max* l/min	P max # Bar	Q** l/min H_2O	Q** l/min 0÷40 cSt	Q** l/min 41÷150 cSt	ΔP max ## Bar	⚖
111333	HVF.114-3/4 NPT	3/4 NPT	114	70	46	46	60	12	2.1	3.7	5	0.17	663
111346	HVF.114-1 NPT	1 NPT	114	70	46	46	80	12	2.1	3.7	5	0.15	667

HVF-SST (G3/4 - G1) BSP INOX STAINLESS STEEL METRIC

Code	Description	d	H	L	h1	s	Q max* l/min	P max # Bar	Q** l/min H_2O	Q** l/min 0÷40 cSt	Q** l/min 41÷150 cSt	ΔP max ## Bar	⚖
111332	HVF.114-SST-3/4	G 3/4	114	70	46	46	60	12	2.1	3.7	5	0.17	663
111342	HVF.114-SST-1	G 1	114	70	46	46	80	12	2.1	3.7	5	0.15	667

* Maximum flow rate.
\# Maximum pressure
** Minimum flow rate to start the rotor for fluids of different viscosity
Pressure drop due to the indicator presence