Visual flow indicators

Technopolymer ends, transparent technopolymer

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

METRIC

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®*.

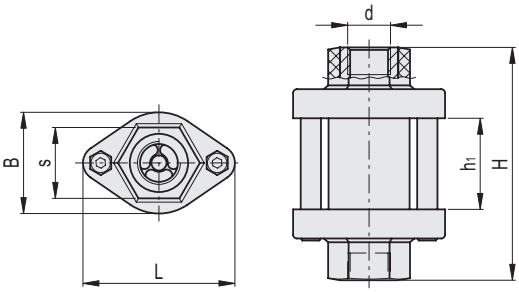
MAXIMUM CONTINUOUS WORKING TEMPERATURE
100° C.

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







HVF. (G1/4 - G3/8 - G1/2)

METRIC

Code	Description	d	H	L	B	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	Maximum tightening torque [Nm]	⚖
111301	HVF.66-1/4	G 1/4	66	44	27	22	20	10	25	0.6	2.5	3.5	0.15	8	83
111311	HVF.92-3/8	G 3/8	92	60	40	36	28	20	15	1.2	3	4	0.25	20	192
111321	HVF.92-1/2	G 1/2	92	60	40	36	28	40	15	1.2	3	4	0.3	20	177

HVF-SST (G1/4 - G3/8 - G1/2)

INOX STAINLESS STEEL

Code	Description	d	H	L	B	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	Maximum tightening torque [Nm]	⚖
111302	HVF.66-SST-1/4	G 1/4	66	44	27	22	20	10	25	0.6	2.5	3.5	0.15	20	83
111312	HVF.92-SST-3/8	G 3/8	92	60	40	36	28	20	15	1.2	3	4	0.25	20	188
111322	HVF.92-SST-1/2	G 1/2	92	60	40	36	28	40	15	1.2	3	4	0.3	20	181

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

Code	Description	d	H	L	B	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	⚖
111304	HVF.66-1/4 NPT	1/4 NPT	66	44	27	22	20	10	25	0.6	2.5	3.5	0.15	100
111317	HVF.92-3/8 NPT	3/8 NPT	92	60	40	36	28	20	15	1.2	3	4	0.25	170
111324	HVF.92-1/2 NPT	1/2 NPT	92	60	40	36	28	40	15	1.2	3	4	0.3	170

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

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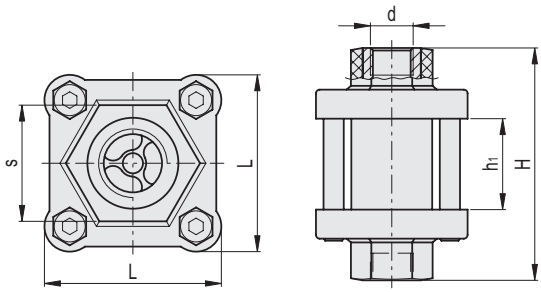

Conversion Table *1 mm = 0.039 inch*	
L	
mm	inch
44	1.73
60	2.36
70	2.76

HVF. (G3/4 - G1)

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	Maximum tightening torque [Nm]	⚖
111331	HVF.114-3/4	G 3/4	114	70	46	46	60	12	2.1	3.7	5	0.17	20	703
111341	HVF.114-1	G 1	114	70	46	46	80	12	2.1	3.7	5	0.15	20	708

HVF-SST (G3/4 - G1)

INOX STAINLESS STEEL

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	Maximum tightening torque [Nm]	⚖
111332	HVF.114-SST-3/4	G 3/4	114	70	46	46	60	12	2.1	3.7	5	0.17	20	690
111342	HVF.114-SST-1	G 1	114	70	46	46	80	12	2.1	3.7	5	0.15	20	657

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	704
111346	HVF.114-1 NPT	1 NPT	114	70	46	46	80	12	2.1	3.7	5	0.15	732

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

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