

Column level indicators technopolymer assembly screws



Material

Transparent polyamide based (PA-T) technopolymer. Highly resistant to shocks, solvents, oils with additives, aliphatic and aromatic hydrocarbons, petrol, naphtha, phosphoric esters.

Avoid contact with alcohol or detergents containing alcohol.

Screws

Glass-fibre reinforced SUPER-polyamide based (PA) technopolymer.

Nuts and washers

AISI 304 stainless steel.

Flat gaskets

NBR synthetic rubber (on request FKM) O-Ring.

Plate

White lacquered aluminium. The housing, in the appropriate external rear slot, guarantees the best protection from direct contact with fluid, avoiding yellowing effect due to the prolonged action of the fluid at high temperatures.

It can be removed before installation to fit marks and words (for example MAX-MIN), in the needed positions.

Standard executions

- HCX-VT: without thermometer.
- HCX/T-VT: with incorporated thermometer.

Mounting

- By means of the supplied set screws and nuts.
- By means of the supplied set screws, without nuts, by tapping the two holes in the reservoir walls, if they are thick enough.
- By means of the supplied set screws and the Fast Mounting Kit when nuts cannot be fitted from the inside of the reservoir and the walls are not thick enough.

To ensure the best sealing of the O-rings it is recommended to apply the maximum torque on the nuts as reported in the table and a roughness of the gasket application surface $R_a = 3 \mu\text{m}$.

Maximum continuous working temperature

90°C (with oil).

Features and performances

Thanks to the SUPER-technopolymer screws, HCX/VT column level indicator can be used in corrosion resistance applications where stainless steel is not necessary.

The special slotted head of the SUPER-technopolymer screws is especially designed to reach an optimum tightening of the packing rings by applying an adequate tightening torque (ELESA patent) thus avoiding unnecessary stress to the screws.

Maximum fluid level visibility even from side positions

Level visibility and temperature reading magnified by lens effect.

Technical data

In laboratory tests carried out with mineral oil type CB68 (according to ISO 3498) at 23°C for a limited period of time, the weld stood up as follows:

- HCX.127-VT 18 bar
- HCX.254-VT 12 bar

Considering the SUPER-technopolymer screws, the maximum working pressure cannot be higher than 5 bar at 20°C and 2 bar at 90°C.

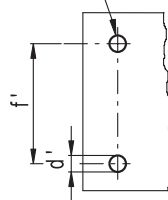
If you need to use the indicator with other oils or fluids and under different pressure and temperature conditions, please contact ELESA Technical Department. In any case we suggest to verify the suitability of the product under the actual working conditions.

Special executions on request

- UV resistant transparent technopolymer indicators.
- Indicators with two red ball-shaped floats (only for HCX-VT executions).



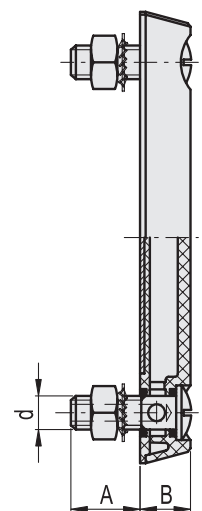
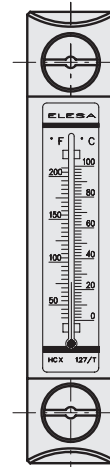
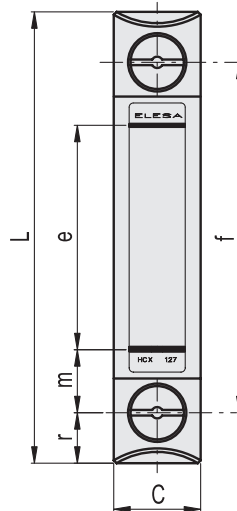
Drilling template
Holes without burrs and chamfer



Conversion Table	
1 mm = 0.039 inch	
f	
mm	inch
127	5.00
254	10.00

HCX-VT

HCX/T-VT



Code	Description	f	d	A	B	C	L	e	m	r	d ^{-0.2}	f±0.2	Thermometer scale°C	Thermometer scale°F	C# [Nm]	⚖️
111351	HCX.127-VT-M12	127	M12	23	18	31	161	80	23	17	12.5	127	-	-	6	94
111361	HCX.127/T-VT-M12	127	M12	23	18	31	161	80	23	17	12.5	127	0÷100	32±210	6	94
111371	HCX.254-VT-M12	254	M12	21	18	35	291	203	26	18.5	12.5	254	-	-	6	141
111381	HCX.254/T-VT-M12	254	M12	21	18	35	291	203	26	18.5	12.5	254	0÷100	32±210	6	141

Maximum tightening torque.

