HCZ-VT

Elesa+GANTER' Column level indicators





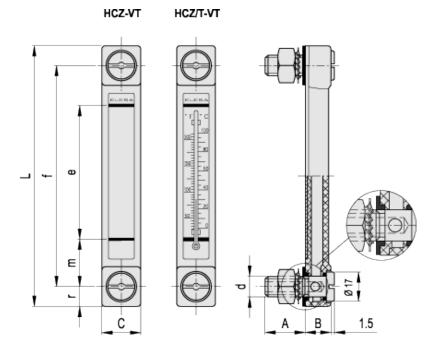


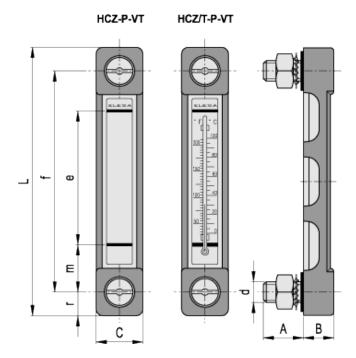
technopolymer assembly screws













technical informations

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, lightweight and high mechanical strength. Anticorrosive material: suitable even in the presence of liquid or humidity. Resistant to several washing cycles with solvents and detergents, for this reason it is suitable for applications as in the pharmaceutical or food industry.

Nuts and washers

AISI 304 stainless steel.

Packing rings

Step-shaped for the seal on the reservoir walls and NBR synthetic rubber O-ring screw underhead.

Contrast screen

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.

Protection frame

Glass-fibre reinforced polyamide (PA) SUPER-technopolymer, black colour, matte finish. Resistant to solvents, oils, greases and other chemical agents. Supplied assembled, removable by a screwdriver.

Standard executions

- HCZ-VT: without thermometer and without protection frame.
- HCZ/T-VT: with thermometer incorporated, without protection frame.
- HCZ-P-VT: without thermometer, with protection frame.
- HCZ/T-P-VT: with thermometer incorporated and protection frame.

Assembly

- 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. 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 application surface of the packing ring $Ra=3 \mu m$.

Maximum continuous working temperature

90°C (with oil)

Special executions on request

UV resistant transparent technopolymer indicators.

Features and performances

Thanks to the SUPER-technopolymer screws, HCZ-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. The body of the indicator, entirely in transparent material, is assembled using ultrasound welding to guarantee a perfect seal. Level visibility and temperature reading magnified by lens effect.

Special side openings provide maximum fluid level visibility even from side positions.

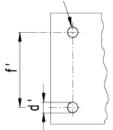
The protection frame is suitable for further increasing the resistance to shocks. These shocks are absorbed by the protection frame that transmits them directly onto the wall of the reservoir.

Technical data

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

For higher pressure values use HCZ-SST with stainless steel screws.

Drilling template Holes without burns and chamfer



Elesa Standards		Main dimensions									Mounting holes		Thermometer scale		C #	Weigh
Code	Description	f	d	А	В	С	L	е	m	r	d ' _{-0.2}	f' _{±0.2}	°C	°F	[Nm]	g
111382	HCZ.76-VT-M12	76	M12	23.5	15	22	99	40	18	11.5	12.5	76	-	-	6	67
111383	HCZ.76/T-VT-M12	76	M12	23.5	15	22	99	40	18	11.5	12.5	76	20÷100	68÷210	6	68
111385	HCZ.127-VT-M12	127	M12	23.5	15	22	150	80	23	11.5	12.5	127	-	-	6	78
111386	HCZ.127/T-VT-M12	127	M12	23.5	15	22	150	80	23	11.5	12.5	127	0÷100	32÷100	6	79
111392	HCZ.76-P-VT-M12	76	M12	23.5	17.5	22	99	40	18	11.5	12.5	76	-	-	6	85
111393	HCZ.76/T-P-VT-M12	76	M12	23.5	17.5	22	99	40	18	11.5	12.5	76	20÷100	68÷210	6	86
111395	HCZ.127-P-VT-M12	127	M12	23.5	17.5	22	150	80	23	11.5	12.5	127	-	-	6	104
111396	HCZ.127/T-P-VT-M12	127	M12	23.5	17.5	22	150	80	23	11.5	12.5	127	0÷100	32÷100	6	105



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STANDARD MACHINE ELEMENTS WORLDWIDE