

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.

PACKING RINGS

- **NBR**: synthetic rubber O-Ring.

- **FKM**: FKM type VITON® O-Ring.

Suggested roughness of the packing ring application surface $R_a = 3 \mu m$.

* Registered trademark by DuPont Dow Elastomers.

CONTRAST SCREEN

White lacquered aluminium. The housing, in the appropriate external rear slot, guarantees the best protection from direct contact with fluid. It can be taken out from the inclined side, before assembly to allow the insertion of level lines or words.

STANDARD EXECUTIONS

- **HGX**: zinc-plated steel screws, NBR packing ring, without thermometer.

- **HGX/T**: zinc-plated steel screws, NBR packing ring, with incorporated thermometer.

- **HGX-SST**: AISI 303 stainless steel screws, AISI 304 stainless steel nuts and washers, FKM packing ring, without thermometer.

- **HGX/T-SST**: AISI 303 stainless steel screws, AISI 304 stainless steel nuts and washers, FKM packing ring, with incorporated thermometer.

- **HGX-VT**: glass-fibre reinforced polyamide based (PA) SUPER-technopolymer screws, NBR packing ring, without thermometer.

- **HGX/T-VT**: glass-fibre reinforced polyamide based (PA) SUPER-technopolymer screws, NBR packing ring, with incorporated thermometer.

MAXIMUM CONTINUOUS WORKING TEMPERATURE

90°C (with oil).

FEATURES AND PERFORMANCES

Ultrasound welding to guarantee a perfect seal.

Maximum fluid level visibility even from side positions.

Lens effect for a better visibility of the fluid level and temperature.

Thanks to the SUPER-technopolymer screws, HGXVT 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.

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 to: 18 bar (HGX.76 e HGX.127) 12 bar (HGX.254).

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 use with other 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.



ELESA Original design

OTHER STANDARD EXECUTIONS

- HGX-AR (see page 1214) for use with fluids containing alcohol.

- HGX-BW-SST (see page 1215) for use with hot water.

- HGX-PT (see page 1218) with SUPER-technopolymer protection frame.

SPECIAL EXECUTIONS ON REQUEST

- UV resistant transparent technopolymer indicators.

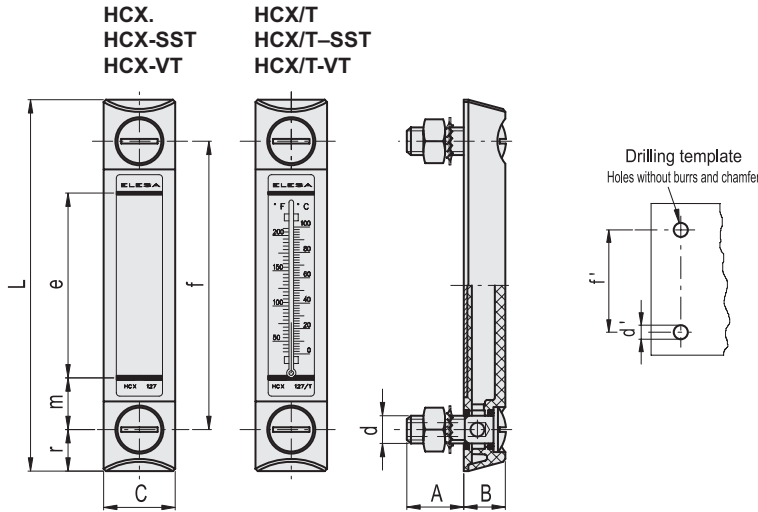
- Indicators with two red ball-shaped floats (only for the execution without thermometer).

- Indicators with cylindrical or step-shaped (NBR or FKM) packing rings (instead of OR) for mounting on reservoirs having rough surfaces or in any case not perfectly flat.

ACCESSORIES ON REQUEST

When fitting is not possible from the inside of the reservoir and the walls are not thick enough, the screws can be used together with Fast Mounting Kit (see page 1221)

Conversion Table 1 mm = 0.039 inch	
mm	inch
76	3.00
127	5.00
254	10.00



Code	Description	f	d	A	B	C	L	e	m	r	d'-0.2	f±0.2	C# [Nm]	
11341	HCX.76-M10	76	M10	22	16	27	107	40	18	15.5	10.5	76	12	87
11349	HCX.127-M10	127	M10	23	18	31	161	80	23	17	10.5	127	12	138
11351	HCX.127-M12	127	M12	23	18	31	161	80	23	17	12.5	127	12	138
11361	HCX.254-M12	254	M12	21	18	35	291	203	26	18.5	12.5	254	10	185

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]	
11346	HCX.76/T-M10	76	M10	22	16	27	107	40	18	15.5	10.5	76	20+100	68+210	12	87
11354	HCX.127/T-M10	127	M10	23	18	31	161	80	23	17	10.5	127	0+100	32+210	12	138
11356	HCX.127/T-M12	127	M12	23	18	31	161	80	23	17	12.5	127	0+100	32+210	12	138
11366	HCX.254/T-M12	254	M12	21	18	35	291	203	26	18.5	12.5	254	0+100	32+210	10	185

Code	Description	f	d	A	B	C	L	e	m	r	d'-0.2	f±0.2	C# [Nm]	
11343	HCX.76-SST-M10	76	M10	22	16	27	107	40	18	15.5	10.5	76	12	87
11353	HCX.127-SST-M12	127	M12	23	18	31	161	80	23	17	12.5	127	12	138
11363	HCX.254-SST-M12	254	M12	21	18	35	291	203	26	18.5	12.5	254	10	185

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]	
11348	HCX.76/T-SST-M10	76	M10	22	16	27	107	40	18	15.5	10.5	76	20+100	68+210	12	87
11358	HCX.127/T-SST-M12	127	M12	23	18	31	161	80	23	17	12.5	127	0+100	32+210	12	138
11368	HCX.254/T-SST-M12	254	M12	21	18	35	291	203	26	18.5	12.5	254	0+100	32+210	10	185

Code	Description	f	d	A	B	C	L	e	m	r	d'-0.2	f±0.2	C# [Nm]	
111351	HCX.127-VT-M12	127	M12	23	18	31	161	80	23	17	12.5	127	6	94
111371	HCX.254-VT-M12	254	M12	21	18	35	291	203	26	18.5	12.5	254	6	141

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]	
111361	HCX.127/T-VT-M12	127	M12	23	18	31	161	80	23	17	12.5	127	0+100	32+210	6	94
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.