

Data sheet: HBX-ST-DX & HBX-CR-ST

With the sensor integrated into a standard strainer house, installation is straightforward, and functionality is enhanced. The butt-welded connection allows for seamless welding with the same size piping, simplifying the setup process. This design provides not only easy installation but also simple maintenance. The strainer's lid can be removed, allowing you to access the sensor conductor for cleaning when needed.

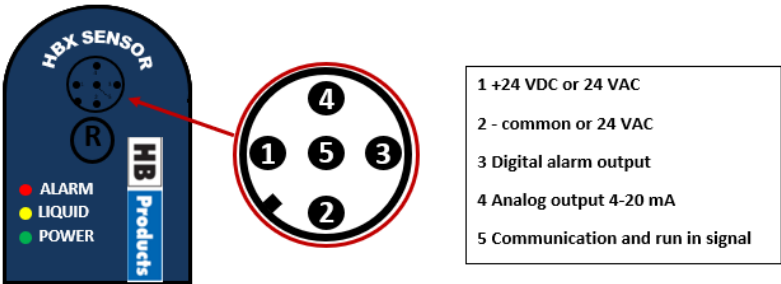


Power supply	
Voltage	24V AC/DC
Max. current	600 mA
Plug connection	M12, 5 pins – IEC 61076-2-101
Output	
Analog output	4-20 mA
Max. possible resistance	500 Ω
Environmental conditions	
Ambient temperature	-30°C to 50°C (-22°F to 122°F)
Liquid temperature *Depending on the physical conditions of the liquid.	-55°C to 145°C (-67°F to 293°F)
Max. pressure	52 bar (754 psi)
Protection degree	IP65
Vibrations	IEC 60068-2-6 (4g)
Mechanical specifications	
Connections	Welded connection to pipes
Size	See the dimensional drawing below
Material - mechanical part	AISI 304 / PTFE / PEEK / PA6
Material - electronic part	PA6
House type	Standard strainer house with extension for DN20 to DN40
Cable specification (Power supply)	
Cable size	5 m - 5 x 0.34 mm ²
Cable glands	PG7 / M8
Cable resistance	500 Ohm/Km
Valve control (option)	
Valve types supported	Modulating, PWM and Stepper motor
Approvals	
EMC test	EN 61000-2
Indication	
Digital display	0-100%
Configurations	
Configuration	HB Tool
Scope of supply	

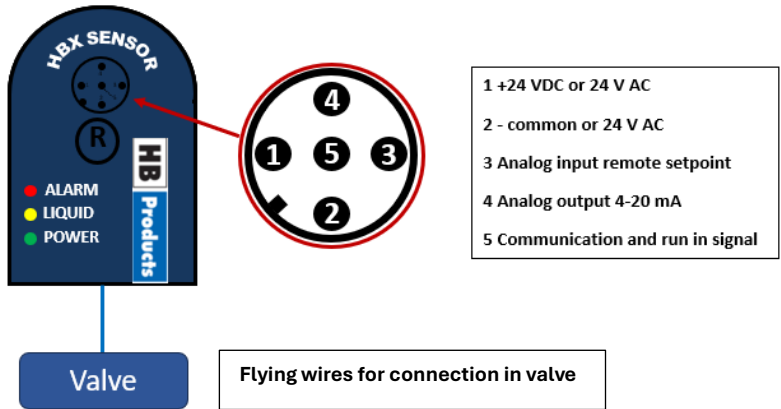
Package includes	Strainer house with built in element Electronic unit Supply cable with M12 plug
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Electrical connections

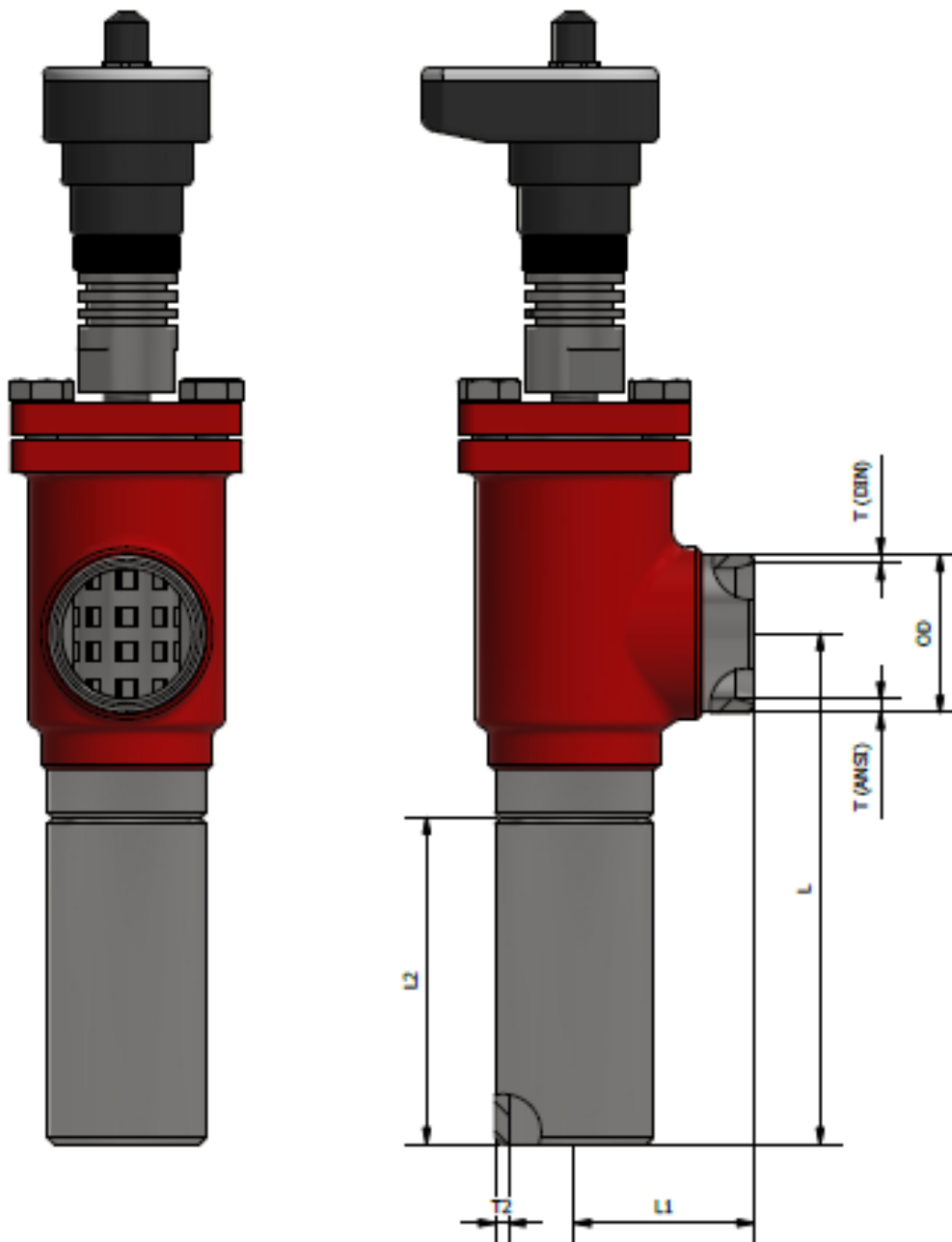
For standard sensors with 4-20 mA output for PLC



For sensors with direct valve control and 4-20 mA output for PLC



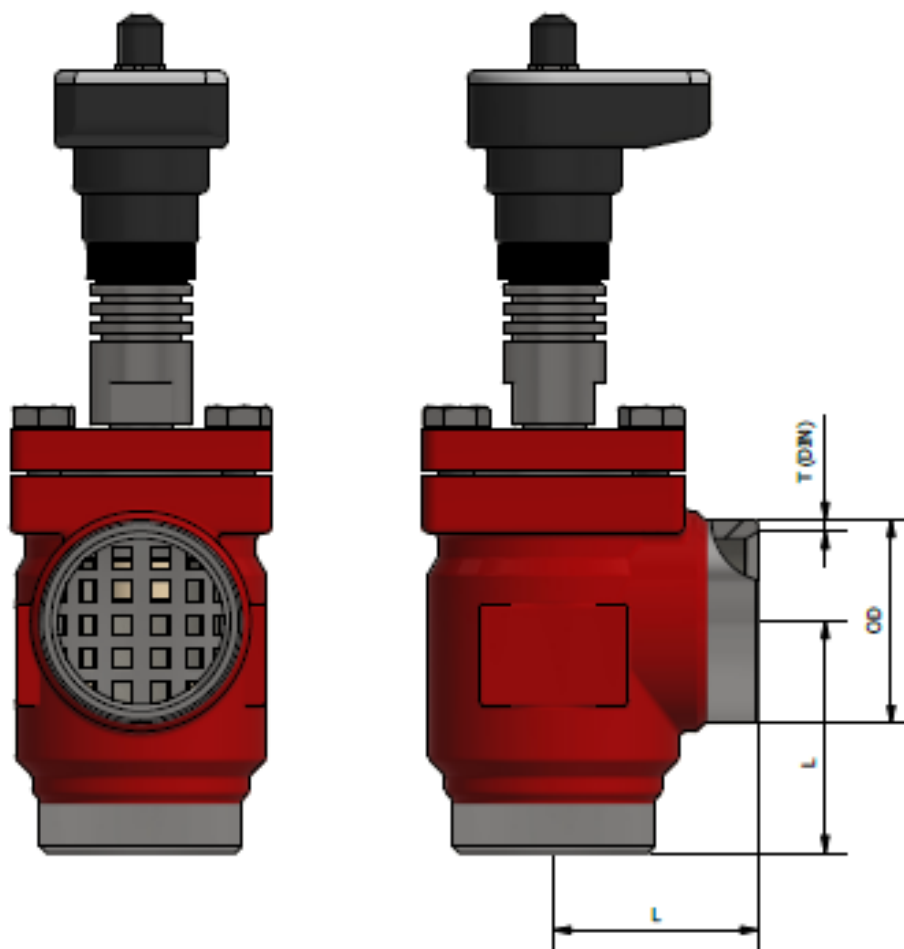
Dimensional drawings



HBX STRAINER DN20-40							
SIZE	L	L1	T	OD	STANDARD	L2	T2
DN20	165	45	2,3	Ø26,9	DIN EN-10220	120	3,2
DN25	155	55	4,6	Ø33,7	ANSI 36.10 80	100	2,5
DN32	155	55	2,6	Ø42,4	DIN EN-10220	100	2,4
DN40	155	55	2,6	Ø48,3	DIN EN-10220	100	2,4

All measurements in mm

Please note: In the sizes DN20-DN40 the strainer is extended with a 100 mm tube.



HBX STRAINER DN50-200				
SIZE	L	T	OD	STANDARD
DN50	60	2,9	Ø60,3	DIN EN-10220
DN65	70	2,9	Ø76,1	DIN EN-10220
DN80	90	3,2	Ø88,9	DIN EN-10220
DN100	106	3,6	Ø114,3	DIN EN-10220
DN125	128	4,0	Ø139,7	DIN EN-10220
DN150	145	4,5	Ø168,3	DIN EN-10220
DN200	180	6,3	Ø219,1	DIN EN-10220

All measurements in mm

For any inquiries or further information, please don't hesitate to contact us at support@hbproducts.dk.

HB Products A/S
 Bøgekildevej 21
 DK-8361 Hasselager
 Phone: +45 87476200
www.hbproducts.dk