excelsior büche®
Efficienza termoenergetica

COMPACT ORIFICE FLOWMETER
HBS-20

ENG

Compact Orifice Flowmeter Series is designed far closed loop control and general purpose monitoring applications. This design lowers the tota/ installed cast of OP Flow measurement points eliminating the need far fittings,impulse tubing, valves, adapters and manifolds by providing a single device packaged together far simplified installation. By integrating Autrol pressure transmitters with the Compact Orifice primary element, we deliver the highest performing Flowmeters which arrive assembled, calibrated,pressure tested, and ready to install.

ELECTRICAL SAFETY

This equipment complies with the requirements of CEI/ IEC 61010-1:2001-2 'Safety Requirements far Electrical Equipment far Measurement, Contro/ and Laboratory Use'. If the equipment is used in a manner

NOT: Specified by the Company, the protection provided by the equipment may be impaired.

WET SECTIONS	: AISI304 SS
SENSITIVITY	: % 1,5 T.S.
EXIT	: 4...20 mA +HART
FEED	: 12...45 V DC
TEMPERATURE	: 250°C max. (450°C ops.)
Pressure	: 137 bar max.(350 bar ops.)
BODY,CONNECTIONS	: AISI304 SS,AISI304 SS
MOUNTING POSITION	: Horızontal and VertıCal (from bottom to top)
CONNECTIONS	: PN40 wafer
SCOPE OF APPLICATION	: Saturated Steam, Superheated Steam
PROTECTION	: IP67,ops.Ex-proof
INDICATOR	: LCD Snapshot, (ops.total)

TEMPERATURE AND PRESSURE COMPENSATION DEVICE

CONNECTION	: Wall and Panel mounting
INDICATOR	: OLED, instantaneous and total steam amount, temperature, pressure and steam density can be monitored.
OUTLET	: 4 ... 20 mA re-transmission and pulse output
UNITS	: kg,ton,saat

Measuring pressure	DN 50	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 400
4 bar (g)	0,07..0,750	0,2...2	0,32..3,2	0,48..4,8	0,7..7	1,2..12,41	1,9..19,42	2,8..28,5	5..50
6 bar (g)	0,09..0,9	0,23..2,3	0,39..3,9	0,57..5,7	0,8..8	1,4..14,52	2,3..23,3	3,3..33,5	5,8..58
8 bar (g)	0,1..1	0,27..2,7	0,43..4,3	0,65..6,5	0,9..9	1,6..16,52	2,6..26,3	3,7..37,6	6,6..66

Measuring Ranges for Saturated Steam (ton/hour)

Nota : **According to the process conditions, changes can be made in the measurement intervals.**

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