

DATA SHEET

ECx – INTERNAL DIAPHRAGM, THREADED TYPE

The ECx is a complete welded construction and designed for those applications where the process conditions are such that direct mounting of the instrument cannot be done. Applications are viscous media, waste water treatment, or when special wetted parts materials for pressure gauges are required. ECx is typically used in combination with pressure gauges pressure measurement.



STANDARD EXECUTION – ECA / ECB / ECE / ECH

DIAPHRAGM	BODY	MOUNTING CONNECTION	CONSTRUCTION
AISI316(L)	AISI316(L)	top (axial)	welded

THREADED PROCESS CONNECTIONS

ECA - NPT / BSP – ISO 228

size		Mwp	dD
1/2"	Male or Female	400 bar	32mm
1/4"	Male or Female	400 bar	32mm

ECB - NPT / BSP – ISO 228

size		Mwp	dD
1/2"	Male or Female	60 bar	51mm
1/4"	Male or Female	60 bar	51mm

ECE - NPT / BSP – ISO 228

size		Mwp	dD
1/2"	Male or Female	400 bar	23mm
1/4"	Male or Female	400 bar	23mm

ECH - NPT / BSP – ISO 228

size		Mwp	dD
1/2"	Male or Female	1000 bar	35mm
1/4"	Male or Female	1000 bar	35mm

WETTED PARTS, BODY MATERIALS, AND THREADS

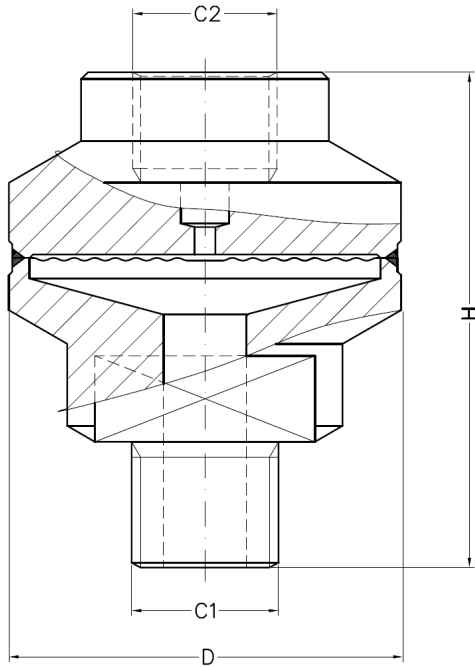
diaphragm mat.	body material	lowerpart material
AISI 316(L)	AISI 316(L)	AISI 316(L)
Hastelloy C-276	Hastelloy C-276	Hastelloy C-276
Monel 400	Monel 400	Monel 400
Duplex 2205	Duplex	Duplex

threads
NPT
BSP
BSPT
UNF
METRIC

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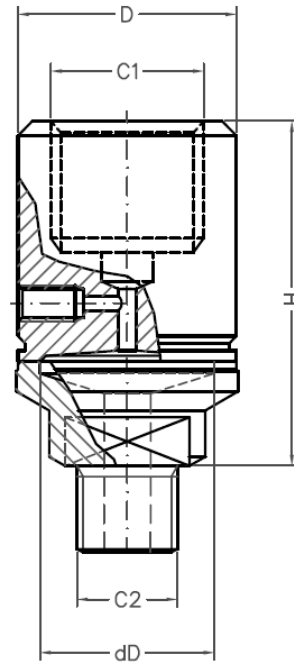
DRAWING AND DIMENSIONS STANDARD EXECUTIONS – ECB / ECE



ECB

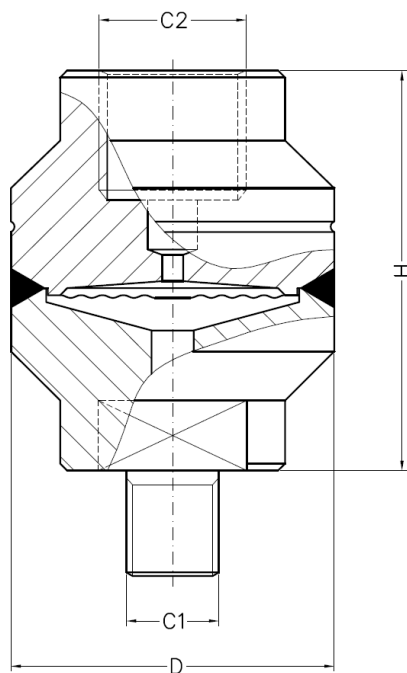
C1	C2	D	H
1/2" NPT-f	1/2" BSP-f	57	57
1/2" BSP-f	1/2" BSP-f	57	57
1/2" NPT-m	1/2" BSP-f	57	77
1/2" BSP-m	1/2" BSP-f	57	77

All dimensions in mm



ECE

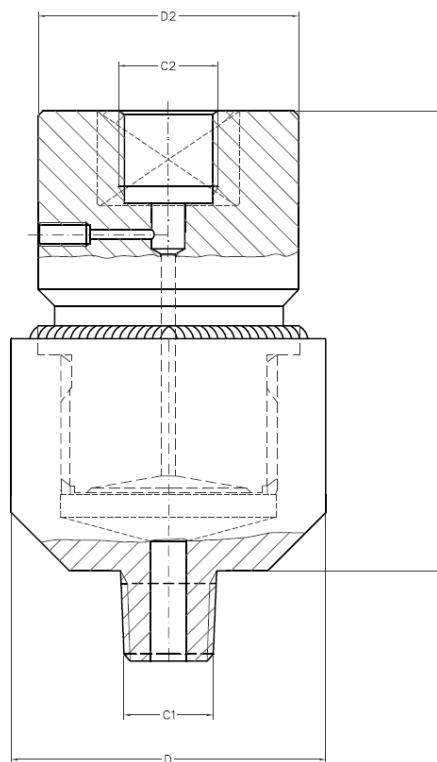
C1	C2	D	H	dD
1/2" NPT-f	1/2" BSP-f	30	57	23
1/2" BSP-f	1/2" BSP-f	30	57	23
1/2" NPT-m	1/2" BSP-f	30	77	23
1/2" BSP-m	1/2" BSP-f	30	77	23



ECA

C1	C2	D	H
1/2" NPT-f	1/2" BSP-f	46	58
1/2" BSP-f	1/2" BSP-f	46	58
1/2" NPT-m	1/2" BSP-f	46	78
1/2" BSP-m	1/2" BSP-f	46	78

All dimensions in mm



ECH

C1	C2	D	D2	H
1/2" NPT-f	1/2" BSP-f	70	55	100
1/2" BSP-f	1/2" BSP-f	70	55	100
1/2" NPT-m	1/2" BSP-f	70	55	100
1/2" BSP-m	1/2" BSP-f	70	55	100



Holland – United Kingdom – Romania – India – Thailand – Dubai – USA

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Badotherm reserves the right to make changes to the specifications and materials without prior notice. The latest version of the datasheet can be found on www.badotherm.com.

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