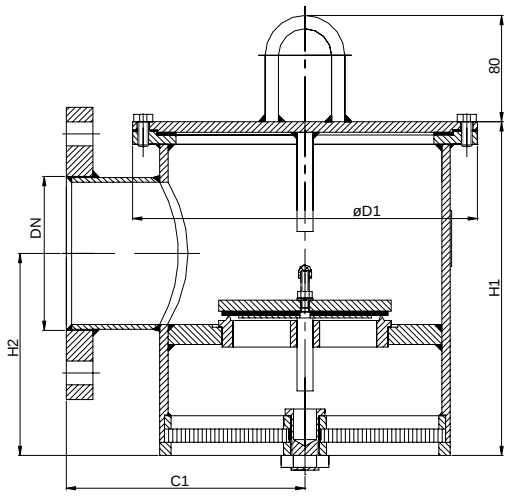
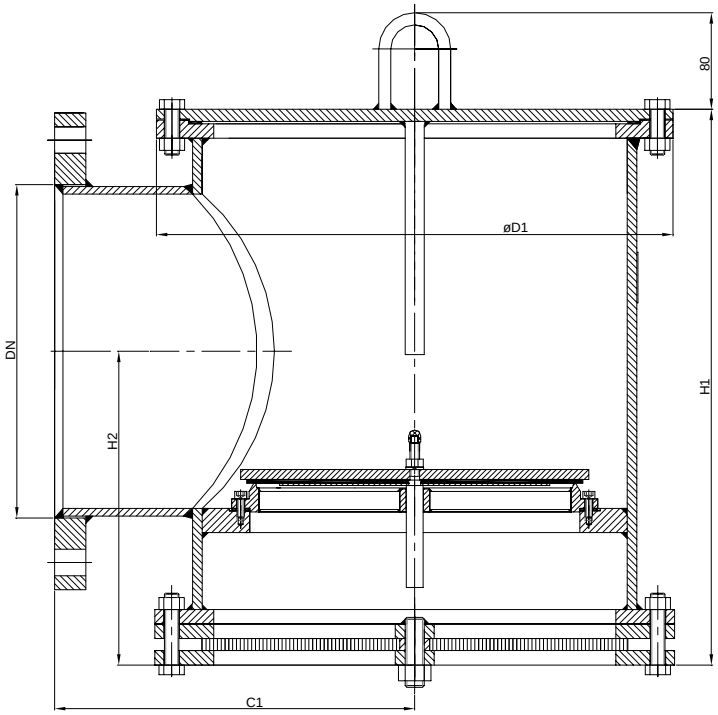
Vacuum Relief Valve
KITO VS/KS DN 50-400
(for lateral connection)

design DN 50-200



Design with a manual valve opening device

design DN 250-400



DN		C1	D1	H1	H2	kg	setting mbar	
DIN	ANSI						min.*	max.**
50	2“	120	170	206	108	11	1,4	130,0
80	3“	144	200	232	131	16	1,6	143,0
100	4“	180	260	262	152	23,5	1,6	205,0
125	5“	195	285	296	173	29,5	1,4	185,0
150	6“	220	320	337	200	39,8	1,7	185,0
200	8“	255	380	404	323	58	2,0	180,0
250	10“	300	430	469	248	84	2,0	205,0
300	12“	345	520	582	330	143	2,1	237,0
350	14“	390	612	628	348	190	2,0	260,0
400	16“	450	685	729	420	245	2,2	288,0

Indicated weights are understood without weight loadings and refer to the standard design.

standard valve setting 7-30 mbar
-different settings against additional price-

* material : PE / stainless steel
mat. no 1.4571 (to 7 mbar)

** material : steel or stainless steel
mat. no.1.4571

Dimensions in mm

EC type approval ATEX 100 a and
EN 12874 CE -designation available

Design subject to change

performance curves : D 0.10 N

Standard design

housing / cover : steel, stainless steel mat. no. 1.4571
valve seat / spindle : stainless steel mat. no. 1.4571
valve face seal : NBR, Viton, PTFE
KITO flame arrester : single grid with straight corrugation, gap with 0,9 mm, (interchangeable)
casing / grid : stainless steel mat. no. 1.4310 / 1.4571
flange connection : DIN 2501 PN 10, ANSI 150 lbs

Other materials, special designs, heating etc upon request.

Application

Explosion proof safety valve to protect inbreathing openings of storage tanks, vessels and pipelines to prevent inordinate vacuum.
Approved for flammable liquids of explosion group IIA with a maximum experimental safe gap (MESG) > 0,9 mm.
Usually mounted on top of the tank in conjunction with a pressure relief valve (see KITO DS/KS or KITO DS/M).