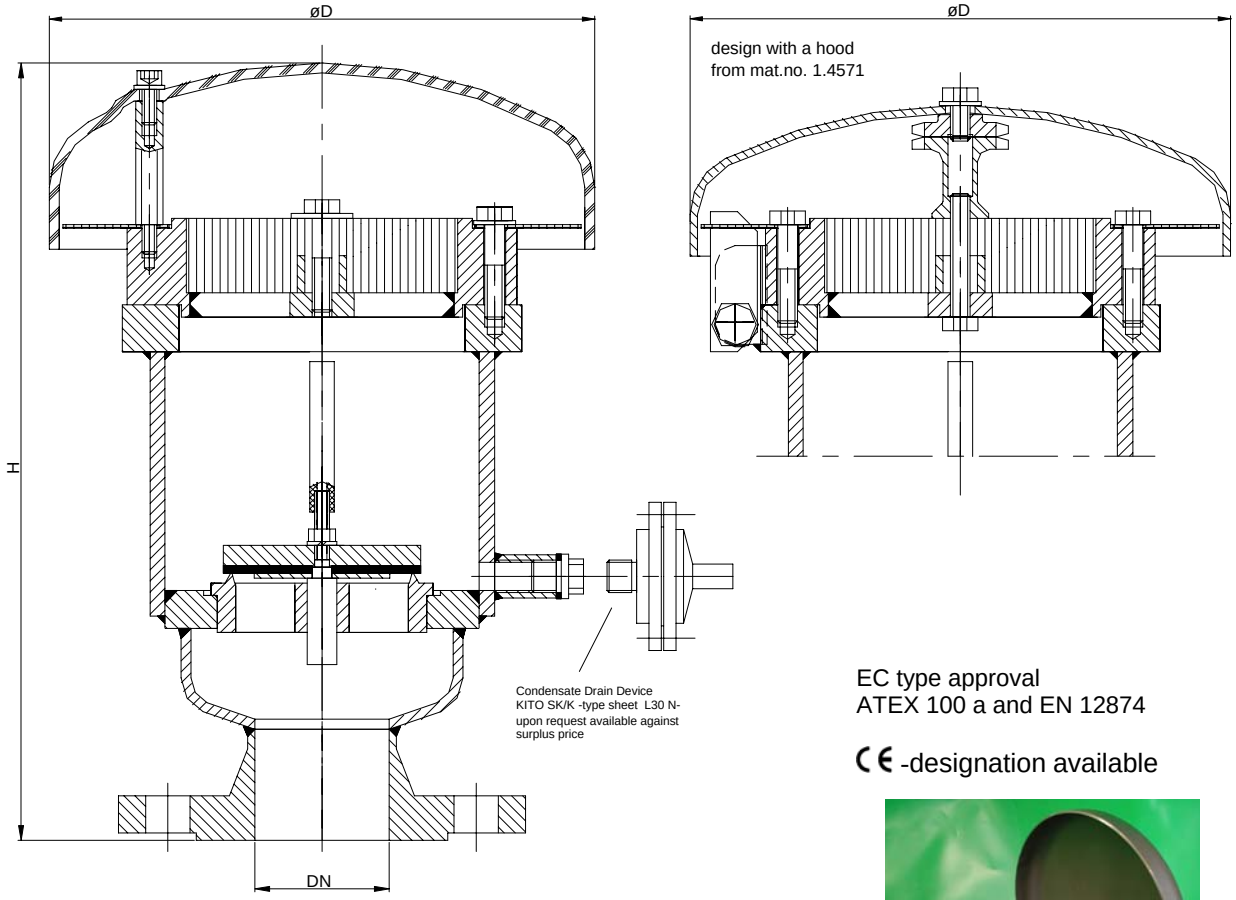
Pressure Relief Valve
KITO DS/KS
(vertical connection)



EC type approval
ATEX 100 a and EN 12874

CE -designation available

Design with a hood from 1.4571

DN		D	H		kg	setting mbar	
DIN	ANSI		DIN	ANSI		min.*	max.**
25	**1”**	220	305	324	10,3	2,5	300
50	**2“**		315	335	14	1,6	123
80	**3“**	245	370	395	18,8	1,9	135
100	**4“**				20	1,9	85

dimensions in mm

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

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

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

Design subject to change

performance curves : C 0.7 N

Standard design

housing : steel, stainless steel mat. no. 1.4571
valve seat and spindle : stainless steel mat. no. 1.4571
valve sealing : NBR, Viton, PTFE
flame arrester element : single grid with straight corrugation gap with 0,5 mm (interchangeable)
casing : stainless steel mat. no. 1.4571
grid : stainless steel mat. no. 1.4310 / 1.4571
weather hood : PMMA, stainless steel mat. no. 1.4571 (hood can fold automatically as a result of folding mechanism and fusing element)
protective screen : Nytal
flange connection : DIN 2501 PN 10, ANSI 150 lbs

Application

As venting device for installation on storage tanks incorporating an explosion and endurance burning flame arrester and a PRV to allow for the passage of excess pressure but prevent or minimize the loss of gas/vapours depending on valve adjustment. Usually mounted on the top of the tank in conjunction with a vacuum relief valve.
Approved for all materials of the explosion group IIA with a maximum experimental safe gap (MESG) > 0,9.

A condensation drain and a manual valve opening device are also available for this model at extra cost.

Other materials, special designs, heating etc upon request.