



STEAM EQUIPMENT

ADCATHERM - STV Series SHELL AND TUBE HEAT EXCHANGERS (Steam to water - Vertical installation)

DESCRIPTION

The ADCA-ST series steam to water shell and tube heat exchangers are shorter and lighter than the alternative shell and tube exchangers manufactured with smooth pipes. The use of extruded low fin tube, has the advantage that it can improve the external surface and thermal performance.

MAIN FEATURES

Corrosion-resistant stainless steel low finned tube bundle construction.

Straight tubes for easy cleaning .

Floating head at the end of the tube bundle, avoiding tube stresses caused by thermal expansion and contraction.

OPTIONS : Horizontal installation, see STH catalogue.

USE : Steam, water, hot condensate and other fluids compatible with the construction.

AVAILABLE : STH - Horizontal installation

MODELS : STV - Vertical installation

CONNECTIONS : Flanged or screwed, according to DIN or ANSI standards.

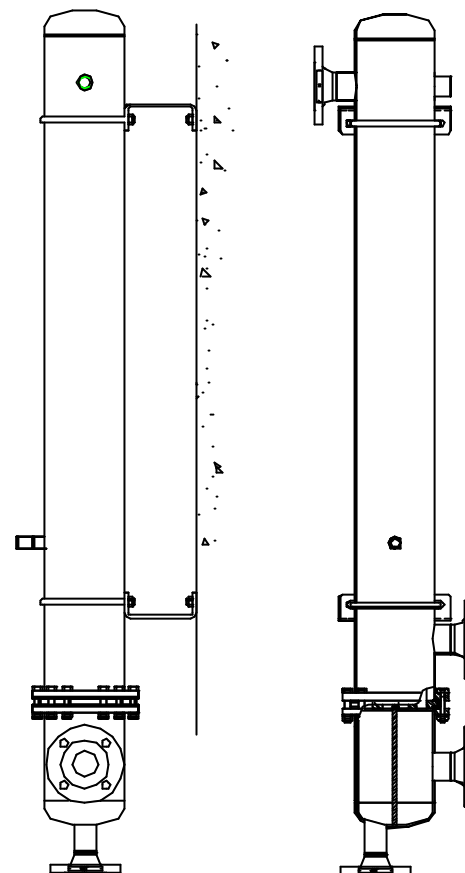
INSTALLATION : Floor and wall vertical installation.
Steam runs inside the tubes and process water outside.

ORDER

REQUIREMENTS : Steam pressure and temperature
Inlet and outlet water temperature
Water mass flow or heat exchanged.
See information sheet IS STH.21

GROUP 2 GASES CATEGORIES

RATING	MODEL	CATEGORY	
		Tube side	Shell side
DIN PN 16	STV 4.075 to 4.150	1	SEP
	STV 5.075 to 5.150	1	SEP
	STV 6.075 to 6.150	1	SEP
	STV 8.075 to 8.150	2	SEP
	STV 10.075 to 10.150	2	SEP



LIMITING CONDITIONS

RATING	PRESS.	TEMP.
	bar	°C
DIN PN16	16	120
	a) 14	198
ANSI CL.150	13	250
	a) 14	198

a) PMO - Maximum operating pressure for saturated steam .

Minimum operating temperature: -10°C

Design code: AD-Merkblatt .

MATERIALS :

DESCRIPTION	MATERIAL
Tube bundle	AISI 316L
Tubesheets	AISI 316
Heads and shell	RSt 37-2 / St 35.8 / P265GH
Inlet/Outlet pipes	St 35.8 (DIN 17175)
DIN flanges	DIN 17243 / C22.8
ANSI flanges	ASTM A 105
Sockets	ASTM A 105
Supports	RSt 37-2

CE Marking :

This product have been designed for use on water and steam which are in Group 2 of the PED-European Pressure Equipment Directive 97/23/EC and it comply with those requirements.

The product carry the CE mark .

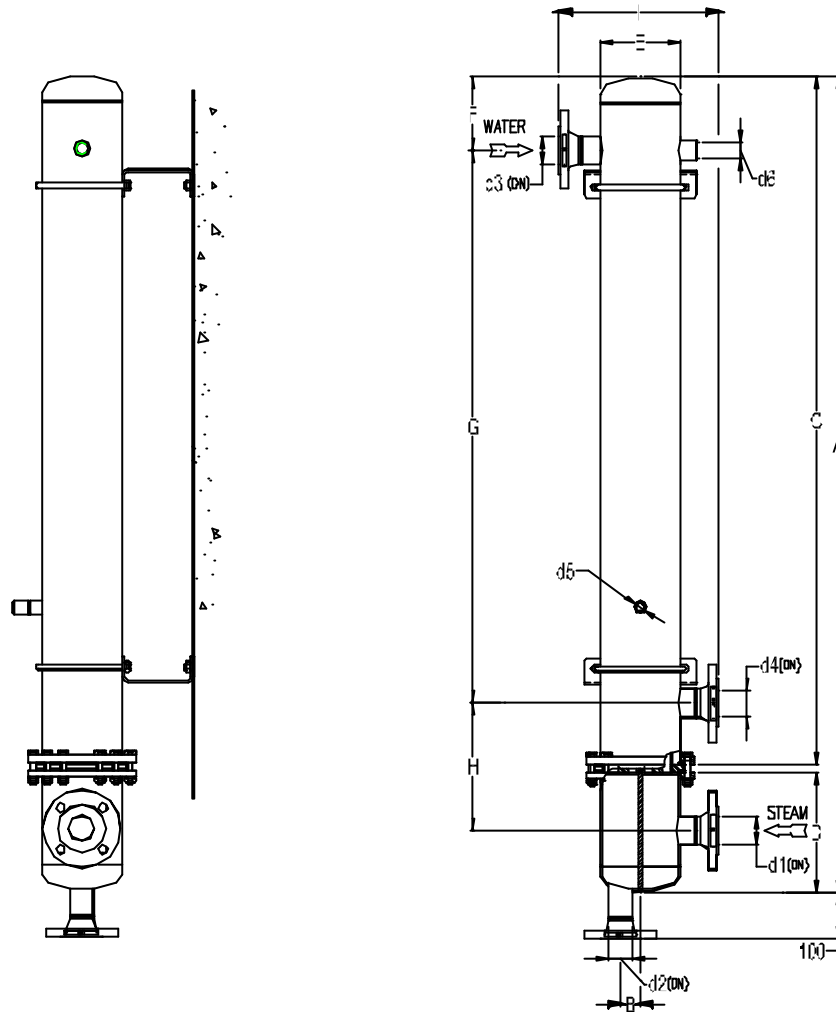


VALSTEAM ADCA

EN10204 3.1B certificate available if requested with the order.

We reserve the right to change the design and material of this product without notice.
Local regulations may restrict the use of this product below the conditions quoted.

IS STV.20 E 04.05



MODEL	Weight Kgs	DIMENSIONS										PIPE CONNECTIONS					
		A	B	C	D	E	F	G	H	I	J	d1	d2	d3	d4	d5	d6
STV4.075	--	965	--	785	166	114	120	550	207	314	116	50	25	50	50	1/2	3/4
STV4.100	--	1215	--	1035	166	114	120	800	207	314	116	50	25	50	50	1/2	3/4
STV4.150	--	1715	--	1535	166	114	120	1300	207	314	116	50	25	50	50	1/2	3/4
STV5.075	--	1040	--	790	235	140	150	510	276	340	150	65	40	65	65	1/2	3/4
STV5.100	--	1290	--	1040	235	140	150	760	276	340	150	65	40	65	65	1/2	3/4
STV5.150	--	1790	--	1540	235	140	150	1260	276	340	150	65	40	65	65	1/2	3/4
STV6.075	--	1093	--	820	255	168	180	500	288	368	180	65	40	65	65	1/2	3/4
STV6.100	--	1343	--	1070	255	168	180	750	288	368	180	65	40	65	65	1/2	3/4
STV6.150	--	1843	--	1570	255	168	180	1250	288	368	180	65	40	65	65	1/2	3/4
STV8.075	--	1122	--	840	264	220	193	487	304	420	230	80	50	80	80	1/2	1
STV8.100	--	1372	--	1090	264	220	193	737	304	420	230	80	50	80	80	1/2	1
STV8.150	--	1890	--	1590	264	220	193	1237	304	420	230	80	50	80	80	1/2	1
STV10.075	--	1185	--	855	306	273	205	448	356	473	285	80	50	80	80	1/2	1
STV10.100	--	1435	--	1105	306	273	205	698	356	473	285	80	50	80	80	1/2	1
STV10.150	--	1935	--	1605	306	273	205	1198	356	473	285	80	50	80	80	1/2	1

Ø d1 to d4 connections sized according with the flow conditions.

Dimensions subject to change without notice .

Consult factory for certified dimensions .

Other sizes and designs can be supplied under request .

The pipe connections are sized considering the correct thermal insulation possibility. The insulation it's not included but it is recommended to be done after the installation.