

HEAT EXCHANGERS



DV285 Plate Heat Exchanger

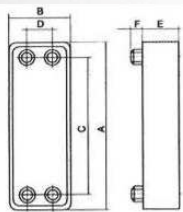
Plate heat exchangers designed for effective heat transfer between various fluids. They are made of thin pressed stainless-steel plates and soldered with brass. Thermal insulation in EPDM rubber that resists temperatures up to 175 C in short term is added on the heat exchangers, reducing thermal loss.

DV285 line is suitable primarily for **pool heating by a solar thermal system, boiler or a heat pump, and for instantaneous DHW heating (in a thermal store or boiler).**

Technical Data

MATERIAL	AISI 316L
MAX. WORKING PRESSURE	29.4 bar
MAX. WORKING TEMPERATURE	150°C permanent, 175°C short term (1hour)
CONNECTION DEIMENSIONS	1" M

Drawing



Dimensions with insulation

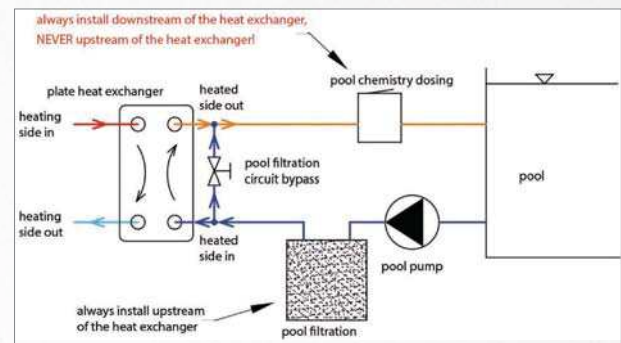
HEIGHT (A)	310 mm
WIDTH (B)	130 mm
PITCH (C)	230 mm
PITCH (D)	50 mm
THICKNESS (E)	by model see table below
SOCKET HEIGHT (F)	18 mm

Models

		DV285-10E	DV285-20E	DV285-30E	DV285-45E	DV285-60E
NUMBER OF PLATES	--	10	20	30	45	60
HEAT TRANSFER SURFACE AREA	sqm	0.27	0.54	0.81	1.22	1.62
FLUID VOLUME	l	0.34	0.60	0.85	1.28	1.65
WEIGHT - WITH/WITHOUT INSULATION	kg	2.4/2.3	3.3/3.2	5.1/5.0	5.5/5.4	7.0/6.9
THICKNESS (E)	mm	70	95	110	140	175
MAX. RECOMMENDED SURFACE AREA OF SOLAR PANELS*	sqm	4	10	15	23	31
CODE	--	9552	9553	9554	9555	9556

* at $\Delta t_{mean} = 10 K$, the primary side – Solarten, flow rate = 1 l/min per sqm, secondary side = water, flow rate = min. 1500 l/h

Connection Diagram



Graphs

