DV193 Plate Heat Exchanger

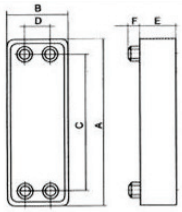
Plate heat exchangers designed for effective heat transfer between various fluids. They are made of thin pressed stainless-steel plates and soldered with brass. Thermal insulation in EPDM rubber that resists temperatures up to 175 C in short term is added on the heat exchangers, reducing thermal loss.

DV193 line is suitable primarily for **thermal stores or storage water heaters** heated by **solar thermal systems**.

Technical Data

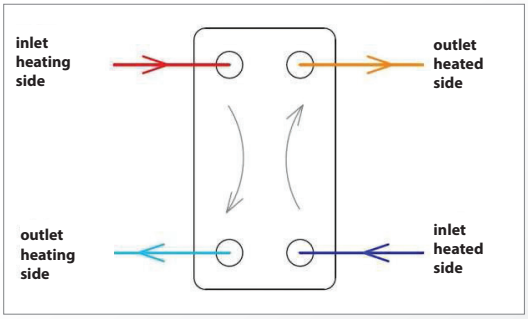
MATERIAL	AISI 316L
MAX. WORKING PRESSURE	29.4 bar
MAX. WORKING TEMPERATURE	150°C permanent, 175°C short term (1hour)
CONNECTION DEIMENSIONS	3/4“ M

Drawing



Dimensions with insulation	
HEIGHT (A)	223 mm
WIDTH (B)	113 mm
PITCH (C)	154 mm
PITCH (D)	42 mm
THICKNESS (E)	by model see table below
SOCKET HEIGHT (F)	20 mm

Connection Diagram

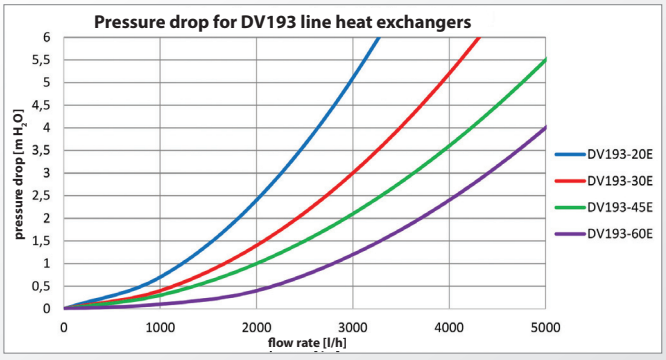


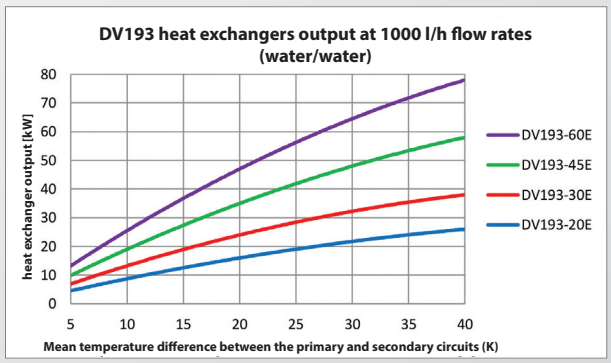
Models

		DV193-20E	DV193-30E	DV193-45E	DV193-60E
NUMBER OF PLATES	--	20	30	45	60
HEAT TRANSFER SURFACE AREA	sqm	0.28	0.42	0.63	0.84
FLUID VOLUME	l	0.32	0.45	0.62	0.87
WEIGHT - WITH/WITHOUT INSULATION	kg	1.7/1.6	2.2/2.1	2.9/2.8	3.7/3.6
THICKNESS (E)	mm	85	109	144	179
MAX. RECOMMENDED SURFACE AREA OF SOLAR PANELS*	sqm	6	10	16	21
CODE	--	9548	9549	9550	9551

** at Δt_{mean} = 10 K, the primary side – Solarten, flow rate = 1 l/min per sqm, secondary side = water, flow rate = min. 1000 l/h*

Graphs





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