

# APV ParaTube

– CONFIGURE YOUR OWN CIP/WATER HEATER

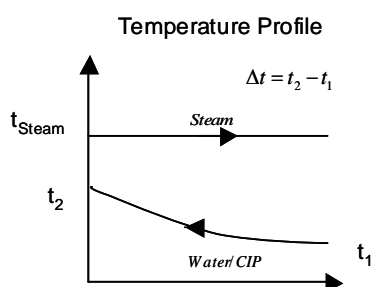
## Field of application

APV ParaTube heat exchangers are renowned for their efficiency and flexibility. The APV ParaTube SMT/O features a special design for low and medium viscosity products in the dairy, brewery and food industries.

Specifically designed for heating of CIP/water applications, the flexible design of the APV ParaTube also makes it suitable for general cooling and heating applications.

## WORKING PRINCIPLE

The APV ParaTube SMT/O consist of a tube bundle inside the shell. Steam runs on the shell side and water or CIP solution in the tubes in counter-current flow.



## SIMPLE TO SELECT AND ORDER

Use the APV Smart Configurator for CIP/water and steam applications on the back of this page to select and order the right configuration for your needs. Simply follow the instructions and send us your order quoting the order number and number of units required.

## TECHNICAL INFO

### Connections:

- Plain ends to weld on steam/service side and ISO clamps on water/product side



### Max working pressure:

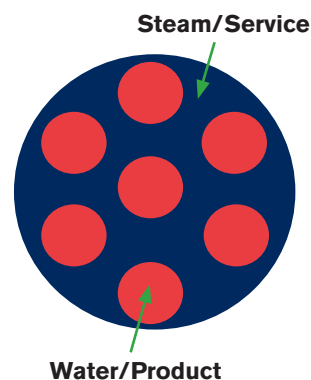
- Water/Product side - 30 bar
- Steam/Service side - 12 bar
- PED compliant

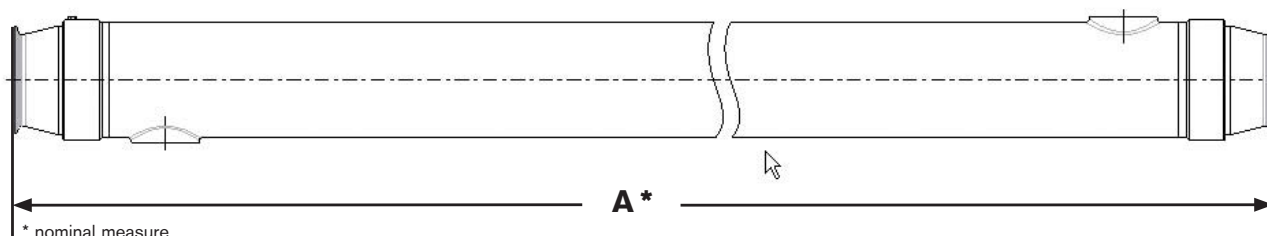
### Max working temperature:

- 170°C

### Standard materials:

- Water/Product side AISI 316
- Steam/Service side AISI 316
- Customisable on request





## APV ParaTube SMT/O Smart Configurator

### FIND THE BEST SOLUTION FOR YOUR CIP/ WATER HEATING APPLICATION IN THREE EASY STEPS

#### ▪ Select

Select the parameters corresponding to your application requirements – inlet temperature of the CIP solution or water ( $t_1$ ) and the temperature difference ( $\Delta t$ ) or the heat load (kW).

#### ▪ Find the order number

You will find the order number in the last column in the row of your choice.

#### ▪ Order

Contact your local APV sales contact by phone, fax or mail quoting the order number and the number of units required. Please refer to the smart configurator when ordering. You will then receive your new APV ParaTube SMT/O precisely according to specification.

You are also welcome to contact your local APV sales contact if you require customisation of your APV ParaTube SMT/O to your specific needs. The Smart Configurator will help you to find the closest match as a starting point.

SMART CONFIGURATOR										
WATER FLOW (STEAM 1500C) [M <sup>3</sup> ]	T1 °C	ΔT °C	HEAT LOAD KW	PRESSURE DROP WATER BAR	STEAM DE- MAND KG/H	A M	CONNECTION		NO. UNITS	PART NO. SMT/O
							WATER	STEAM		
5	70	10	59	0.05	91	2	38	38	1	57.7.12.2
	80	15	88	0.07	136	3	38	38	1	57.7.12.3
10	70	10	117	0.08	181	2	51	51	1	70.12.12.2
	80	15	176	0.11	273	3	51	51	1	70.12.12.3
15	70	10	175	0.07	271	2	63.5	63.5	1	85.19.12.2
	80	15	263	0.11	408	3	63.5	63.5	1	85.19.12.3
20	70	10	234	0.06	362	2	76.1	76.1	1	104.29.12.2
	80	15	351	0.09	544	3	76.1	76.1	1	104.29.12.3
25	70	10	292	0.09	452	2	76.1	76.1	1	104.29.12.2
	80	15	438	0.13	679	3	76.1	76.1	1	104.29.12.3
30	70	10	350	0.05	542	2	101.6	101.6	1	129.44.12.2
	80	15	526	0.07	815	3	101.6	101.6	1	129.44.12.3
35	70	10	408	0.06	632	2	101.6	101.6	1	129.44.12.2
	80	15	614	0.09	951	3	101.6	101.6	1	129.44.12.3
40	70	10	467	0.08	723	2	101.6	101.6	1	154.73.12.2
	80	15	702	0.12	1087	3	101.6	101.6	1	154.73.12.3
45	70	10	525	0.10	813	2	101.6	101.6	1	154.73.12.2
	80	15	790	0.14	1223	3	101.6	101.6	1	154.73.12.3
50	70	10	583	0.12	903	2	101.6	101.6	1	154.73.12.2
	80	15	877	0.17	1358	3	101.6	101.6	1	154.73.12.3

PLEASE NOTE THAT THE CONFIGURATOR DOES NOT TAKE ACCOUNT OF PRE-STERILISATION AND/OR START-UPS, FOR EXAMPLE IN UHT PROCESSING, PASTEURISERS ETC.



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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.apv.com](http://www.apv.com).

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

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