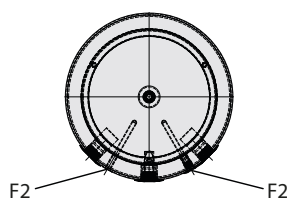
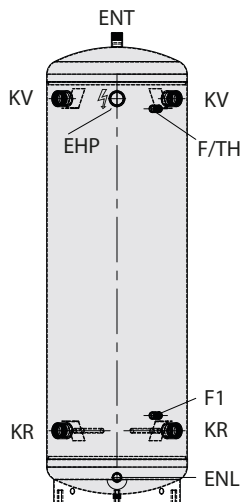


# Warm-Chilled Buffer cylinder

## SERIES ISPHC 50÷500 PS



These buffers are used in refrigeration or heating systems with limited water content, to ensure a constant average temperature and to reduce the need of the compressor. Supplementary electric heating element (optional).



- Row carbon steel tank
- Ready to install probe holders (F1) with 1/2" threaded connection
- High density very thick polyurethane (PU) foam
- External soft plastic coloured coating (PVC white RAL 9010)
- 1 1/2" connection for the installation of the heating element kit (EHP)

**ACCESSORIES PP. 77**

**WARRANTY 2 +3 YEARS**

TECHNICAL DATA	M.U.	ISPHC 50 PS	ISPHC 100 PS	ISPHC 200 PS	ISPHC 300 PS	ISPHC 400 PS	ISPHC 500 PS
Total working capacity	l	51	103	214	301	428	499
Code	/	<b>171984</b>	<b>171985</b>	<b>171986</b>	<b>171987</b>	<b>171988</b>	<b>171989</b>
Insulation thickness	mm	≥50	≥50	≥50	≥50	≥50	≥50
Thermal insulation	[-]	Very thick PU foam insulation layer directly injected (λ=0,024 W/mK)					
ErP Energy Class		B	B	B	C	C	C
ErP Heat Loss Watt		38	46	60	75	90	97
Max. operating temperature	°C	95	95	95	95	95	95
Max. operating pressure <sup>1/2</sup>	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45
Net weight (dry)	kg	25,4	35,0	60,0	75,0	82,0	105,0
Heating element (max. length)	mm	400	400	500	500	650	650
Heating element (max. power)	[kW]	3,0	3,0	4,5	4,5	4,5	4,5
Heat Loss	[kWh/24h]	0,90	1,10	1,40	1,80	2,20	2,30
Total height (incl. Insulation)	mm	640	1170	1260	1670	1500	1730
Ø Diameter (incl. Insulation)	mm	460	460	610	610	760	760
Installation diameter	mm	460	460	610	610	760	760
Air Vent (ENT)	IG / mm	1" / 640	1" / 1170	1" / 1260	1" / 1670	1" / 1500	1" / 1730
Heating delivery (KV)	IG / mm	1 1/4" / 460	1 1/4" / 990	1 1/4" / 1026	1 1/4" / 1436	1 1/4" / 1241	1 1/4" / 1471
Sensor Thermometer connection (F/TH)	IG / mm	1/2" / 380	1/2" / 910	1/2" / 990	1/2" / 1400	1/2" / 1205	1/2" / 1435
Dry-well connection (F1)	IG / mm	1/2" / 240	1/2" / 240	1/2" / 310	1/2" / 310	1/2" / 355	1/2" / 355
Sensor well for Aquastat (F2)	IG / mm	Ø 17,2 / 160	Ø 17,2 / 160	Ø 17,2 / 256	Ø 17,2 / 256	Ø 17,2 / 301	Ø 17,2 / 301
Heating return/To Generator (KR)	IG / mm	1 1/4" / 160	1 1/4" / 160	1 1/4" / 256	1 1/4" / 256	1 1/4" / 301	1 1/4" / 301
Drain (ENL)	IG / mm	3/4" / 130	3/4" / 130	3/4" / 90	3/4" / 90	3/4" / 130	3/4" / 130
Heating element connection (EHP)	IG / mm	1 1/2" / 460	1 1/2" / 990	1 1/2" / 1026	1 1/2" / 1436	1 1/2" / 1241	1 1/2" / 1471
Tilt height	mm	789	1258	1400	1778	1700	1890

Notes : AG = Male fitting, IG = Female fitting - Notes: <sup>1</sup> Max. operating pressure, <sup>2</sup> Max. pressure test according to EN 12897 P.4.4.1

