



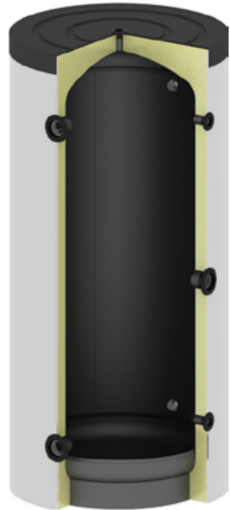
Warm-Chilled Buffer Cylinder



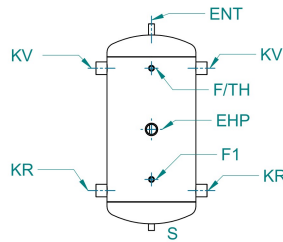
SERIES ISPHC 50÷500 L

HEATING AND COOLING

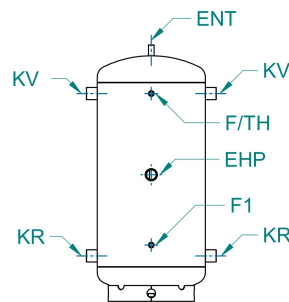
These buffers are used in refrigeration or heating systems with limited water content, to ensure a constant average temperature and to reduce the need of the compressor. Supplementary electric heating element (optional).



SERIES 50 - 100



SERIES 200 - 500



- 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)

WARRANTY:

- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS



TECHNICAL DATA	U.M.	WALL-HUNG MODEL		WALL-HUNG MODEL			
		ISPHC 50 L	ISPHC 100 L	ISPHC 200 L	ISPHC 300 L	ISPHC 400 L	ISPHC 500 L
Total working capacity	l	50	107	205	290	405	490
Code	/	FU000004	FU000005	FU000006	FU000007	FU000008	FU000024
Insulation thickness	mm	≥25	≥50	≥50	≥50	≥50	≥50
Thermal insulation	[-]	Very thick PU foam insulation layer directly injected (λ=0,024 W/mK)					
ErP Energy Class		C	B	B	B	C	C
ErP Heat Loss Watt	W/h	45	41	61	68	78	92
Max. operating temperature	°C	95	95	95	95	95	95
Max. operating pressure ^{1/2}	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	kg	15	27	47	55	65	70
Heating element (max. length)	mm	-	400	400	500	500	650
Heating element (max. power)	[kW]	-	3,0	3,0	4,5	4,5	4,5
Heat Loss	[kWh/24h]	1,08	0,98	1,46	1,60	1,80	2,20
Total height (incl. Insulation)	mm	830	951	1189	1352	1371	1631
Ø Diameter (incl. Insulation)	mm	345	500	600	650	750	750
Air Vent (ENT)	IG / mm	1" / 826	1/2" / 924	1/2" / 1184	1/2" / 1344	1/2" / 1370	1/2" / 1620
Heating delivery (KV)	IG / mm	1 1/4" / 740	1 1/2" / 740	1 1/2" / 960	1 1/2" / 1110	1 1/2" / 1121	1 1/2" / 1371
Sensor Thermometer connection (F/TH)	IG / mm	-	1/2" / 740	1/2" / 960	1/2" / 1110	1/2" / 1121	1/2" / 1371
Dry-well connection (F1)	IG / mm	-	1/2" / 560	1/2" / 715	1/2" / 810	1/2" / 821	1/2" / 971
Heating return / To Generator (KR)	IG / mm	1 1/4" / 90	1 1/2" / 190	1 1/2" / 210	1 1/2" / 210	1 1/2" / 221	1 1/2" / 221
Drain (S)	IG	1"	1"	-	-	-	-
Heating element connection (EHP)	IG / mm	-	1 1/2" / 465	1 1/2" / 585	1 1/2" / 660	1 1/2" / 671	1 1/2" / 796
Tilt height	mm	-	-	1332	1500	1563	1795

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