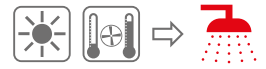


# BOLLY® 2 XL INOX

STAINLESS STEEL 316L DOMESTIC HOT WATER CALORIFIER  
WITH 2 FIXED OVERSIZE STAINLESS STEEL HEAT EXCHANGERS



## APPLICATION

Production and storage of domestic hot water (DHW).  
All the connections are aligned on the front and on the back for quick and easy installation.

## MATERIAL

Stainless Steel 316 L suitable for domestic hot water

## HEAT EXCHANGER:

Nr. 2 fixed oversize stainless steel heat exchangers with double spiral coil

## INSULATION

- **HARD:** High thermal insulation with ecological polyurethane hard foam.
- **SOFT:** NOFIRE® polyester fleece 100% made of recyclable material, with high thermal insulation. Fire resistance class B-s2d0 according to EN 13501.
- **HARD FOAM (CLASS "A" MODELS):** rigid polyurethane foam for high thermal insulation with a vacuum sheet of highly insulating material. Grey PVC external lining.

## CATHODE PROTECTION

Magnesium anode  
Models > 800 n° 2 magnesium anodes.

## DRAIN

External confluence through drain connection

## GASKET- FLANGE PLATE

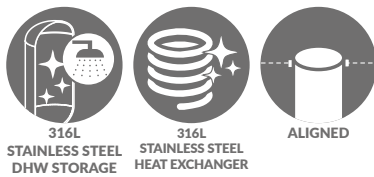
Silicone gaskets suitable for water intended for human consumption (tested according to 98/83/CE); Flange for inspection and counterflange (standard) with provision for electric immersion heater.

## WARRANTY

5 years (See general sales conditions and warranty)

## ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



316L STAINLESS STEEL DHW STORAGE  
316L STAINLESS STEEL HEAT EXCHANGER  
ALIGNED



## BOLLY® 2 XL XB

Model	HARD FOAM INSULATION Art. Nr.	316L STAINLESS STEEL HEAT EXCHANGERS SURFACE		ENERGY EFFICIENCY CLASS 
		Upper	Lower	
<b>200</b>	3134052010000	1,4	0,6	<b>B</b>
<b>300</b>	3134052010001	2,5	0,8	<b>B</b>
<b>500</b>	3134052010002	4,1	1,42	<b>C</b>



## BOLLY® 2 XL XC

Model	DISMOUNTABLE SOFT FLEECE INSULATION Art. Nr.	316L STAINLESS STEEL HEAT EXCHANGERS SURFACE		ENERGY EFFICIENCY CLASS 
		Upper	Lower	
<b>800</b>	3138052010050	5	1,8	<b>C</b>
<b>1000</b>	3138052010051	5,2	2	<b>C</b>



## BOLLY® 2 XL XB CLASS A

Model	HARD FOAM INSULATION Art. Nr.	316L STAINLESS STEEL HEAT EXCHANGERS SURFACE		ENERGY EFFICIENCY CLASS 
		Upper	Lower	
<b>200</b>	3134052010020	1,4	0,6	<b>A</b>
<b>300</b>	3134052010021	2,5	0,8	<b>A</b>
<b>500</b>	3134052010022	4,1	1,42	<b>A</b>



## ACCESSORIES

### ELECTRIC IMMERSION HEATERS

Mod.	MONOPHASE		
	1,5 kW	2 kW	3 kW
	5240000000051	5240000000052	5240000000053
	Ignition time from 10 °C to 45 °C with electric immersion heaters [min]		
<b>200</b>	161	288	216
<b>300</b>	237	425	319
<b>500</b>	417	746	560
<b>800</b>	668	1197	898
<b>1000</b>	874	1565	1174

THREEPHASE				
4 kW	5 kW	6 kW	9 kW	12 kW
5240000000047	5240000000048	5240000000049	5240000000050	5240000000051
Ignition time from 10 °C to 45 °C with electric immersion heaters [min]				
//	//	//	//	//
159	//	//	//	//
280	224	//	//	//
449	359	299	199	//
587	470	391	261	196

### HEAT MANAGER + electric immersion heater 1,5 kW + probe +3m cable

Art. Nr.	ELECTRIC IMMERSION HEATER
5240000000074	1,5 kW
5240000000075	2 kW
5240000000076	3 kW



### Thermometer

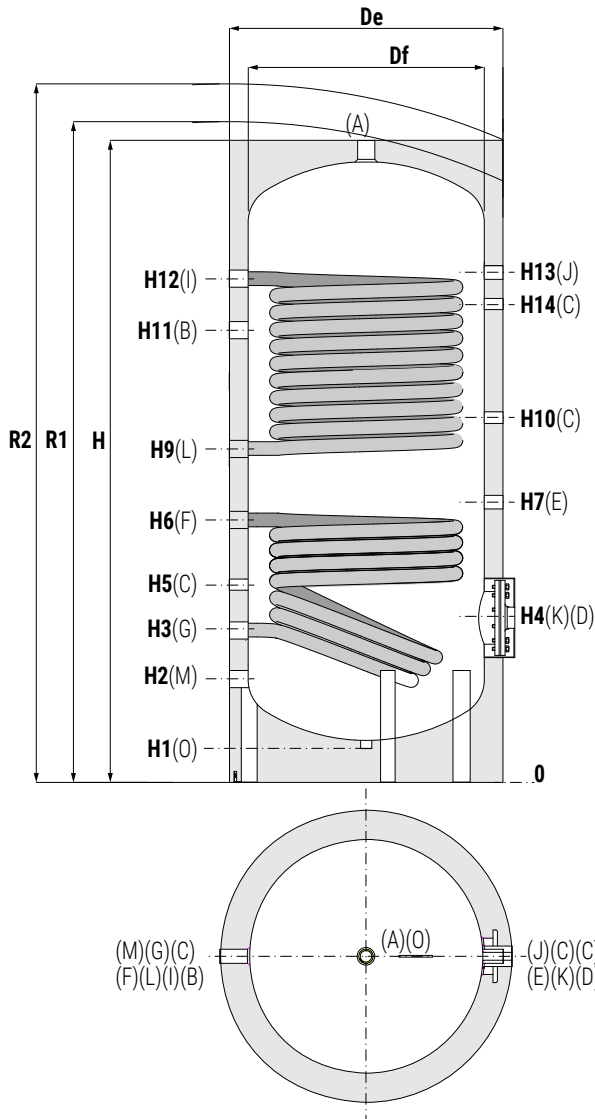
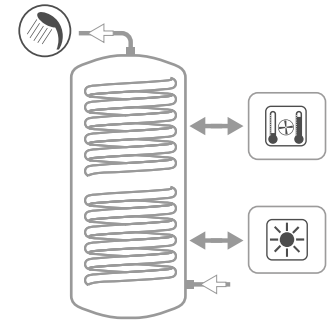
Art. Nr.
5032240000107
5 units box



# BOLLY® 2 XL INOX

STAINLESS STEEL 316L DOMESTIC HOT WATER CALORIFIER  
WITH 2 FIXED OVERSIZE STAINLESS STEEL HEAT EXCHANGERS

STORAGE		HEAT EXCHANGER	
Pmax	Tmax	Pmax	Tmax
6 bar	95 °C	12 bar	110 °C



- A** Domestic hot water outlet
- B** Recirculation
- C** Connection for instrumentation 1/2" G F
- D** Connection for electric immersion heater
- E** Connection for magnesium anode 1"1/4 G F
- F** Lower heat exchanger inlet 1" G F
- G** Lower heat exchanger outlet 1" G F
- J** Connection for 2nd magnesium anode 1"1/4 G F (only for models standard > 800)
- K** Flange for inspection and counterflange (standard) with provision for electric immersion heater 1"1/2
- M** Domestic cold water circuit inlet
- L** Upper heat exchanger outlet 1"1/4 G F
- I** Upper heat exchanger inlet 1"1/4 G F
- O** Drain

P.E.D. product designed and produced in conformity to the article 4.3 of directive 2014/68/UE - ErP Ecodesign directive 2009/125/CE

## BOLLY® 2 XL INOX - 2 XL INOX CLASS A (HARD FOAM INSULATION -XB)

Model	Volume [lt]	Weight [kg]	Df	De	H	R2	H1	H2	H3	H4	H5	H6	H7	H9	H10	H11	H12	H14
<b>200</b>	192	43	450	550	1440	1510	65	210	320	320	430	539	660	705	886	1094	1190	1200
<b>300</b>	293	69	550	650	1495	1630	70	240	345	380	459	559	590	669	896	1109	1219	1230
<b>500</b>	503	99	650	750	1796	1950	65	260	480	400	480	666	690	795	1099	1355	1479	1490

Model	A	B	C	D	E	Connections F										
						[mm]										
<b>200</b>	1"	3/4"	1/2"	1"1/2"	1"1/4"	1"	1"	3/4"	1/2"	1"	1"	Øi120/Øe180				
<b>300</b>	1"	1"	1/2"	1"1/2"	1"1/4"	1"	1"	1"	1/2"	1"	1"	Øi120/Øe180				
<b>500</b>	1"	1"	1/2"	1"1/2"	1"1/4"	1"	1"	1"	1/2"	1"	1"	Øi120/Øe180				

## BOLLY® 2 XL INOX - DISMOUNTABLE SOFT FLEECE INSULATION (XC)

Model	Volume [lt]	Weight [kg]	Df	De	H	R1	R2	H1	H2	H3	H4	H5	H6	H7	H9	H10	H11	H12	H13	H14
<b>800</b>	759	156	790	990	1943	2180	2195	114	323	443	473	553	718	763	825	1163	1163	1573	//	1573
<b>1000</b>	902	193	790	990	2193	2410	2425	114	323	443	473	553	802	862	918	1162	1557	1792	1822	1712

Model	A	B	C	D	E	Connections F											
						[mm]											
<b>800</b>	1"1/4"	1"	1/2"	1"1/2"	1"1/4"	1"1/4"	1"1/4"	//	1"	3/4"	1"1/4"	1"1/4"	Øi120/Øe180				
<b>1000</b>	1"1/4"	1"	1/2"	2"	1"1/4"	1"1/4"	1"1/4"	1"1/4"	1"	3/4"	1"1/4"	1"1/4"	Øi120/Øe180				

# BOLLY® 2 XL INOX

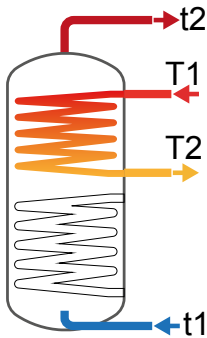
## HEAT EXCHANGERS TECHNICAL DATA



Data have been calculated on following basis:

- 1) Primary circuit at T1 and proper energy source;
- 2) Production of DHW in continuous from 10 °C to t2;
- 3) DHW that can be taken in the first 10' and in the first hour from storage at t2, input 10 °C and output 45 °C;
- 4) Non-scaling sanitary water

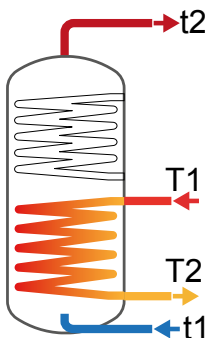
UPPER  
HEAT EXCHANGER



Model	Primary flow rate [m³/h]	Ignition time (minutes) from 10 °C to t2 and primary at T1				Maximum power exchange (kW) with primary at T1, secondary within 10-45 °C and constant use of DHW production				DHW continuous production lt/h within 10-45 °C and primary at T1			
		T1/t2				T1				T1			
		55/50	65/60	70/60	80/60	55	65	70	80	55	65	70	80
200	3	29	31	21	14	13,3	16,8	21,5	30,0	284	287	369	518
	1,5	34	35	25	16	12,5	15,8	19,9	27,4	266	270	342	473
300	4	30	31	22	14	20,4	25,8	32,8	45,7	438	444	567	792
	2	35	36	26	17	18,8	23,9	29,9	40,9	403	410	517	709
500	5	35	36	26	17	32,7	41,2	52,3	72,5	704	714	908	1261
	2,5	41	43	31	20	30,2	38,3	47,8	64,9	651	663	830	1128
800	6	41	42	30	20	46,7	59,0	74,7	103,1	1010	1025	1300	1796
	3	49	51	37	24	43,4	54,9	68,4	92,1	936	954	1189	1604
1000	6	42	44	31	21	48,5	61,3	77,5	106,9	1049	1065	1349	1861
	3	50	53	38	25	45,0	57,0	70,8	95,3	972	990	1232	1660

Model	Primary flow rate [m³/h]	DHW produced in the first 10 minutes in lt/10' input 10 °C output 45 °C, storage at t2 and primary at T1				DHW produced in the first hour in lt/60' input 10 °C output 45 °C, storage at t2 and primary at T1				Heat exchanger pressure drop	
		T1/t2				T1/t2				[mmH <sub>2</sub> O]	[mbar]
		55/50	65/60	70/60	80/60	55/50	65/60	70/60	80/60		
200	3	194	195	209	233	374	377	442	562	992	97
	1,5	191	192	204	226	360	363	421	526	291	29
300	4	302	303	323	361	579	584	682	862	2517	247
	2	296	297	315	347	551	557	642	796	742	73
500	5	539	540	573	632	985	993	1148	1430	5813	570
	2,5	530	532	560	609	942	952	1085	1324	1719	169
800	6	867	869	915	998	1507	1519	1739	2135	11318	1110
	3	855	858	897	966	1447	1462	1650	1982	3351	329
1000	6	919	922	969	1054	1583	1596	1823	2233	11759	1153
	3	906	909	950	1021	1522	1536	1730	2072	3482	341

LOWER  
HEAT EXCHANGER



Model	Primary flow rate [m³/h]	Ignition time (minutes) from 10 °C to t2 and primary at T1				Maximum power exchange (kW) with primary at T1, secondary within 10-45 °C and constant use of DHW production				DHW continuous production lt/h within 10-45 °C and primary at T1			
		T1/t2				T1				T1			
		55/50	65/60	70/60	80/60	55	65	70	80	55	65	70	80
200	3	127	134	90	57	5,8	7,3	9,4	13,3	120	121	158	225
	1,5	140	147	98	63	5,5	6,9	8,9	12,4	113	115	148	210
300	4	147	153	104	67	7,6	9,5	12,2	17,3	158	160	208	296
	2	163	171	116	75	7,1	8,9	11,4	15,9	147	150	192	272
500	5	138	143	100	65	13,5	17,1	21,9	30,8	288	292	376	532
	2,5	154	160	111	73	12,7	16,1	20,4	28,4	270	274	350	490
800	6	162	168	117	76	17,3	21,8	27,9	39,3	370	374	482	681
	3	179	187	131	85	16,3	20,6	26,2	36,4	349	354	452	630
1000	6	174	180	126	82	19,2	24,2	31,0	43,5	411	416	535	754
	3	194	201	141	93	18,1	22,9	29,0	40,2	387	393	500	696

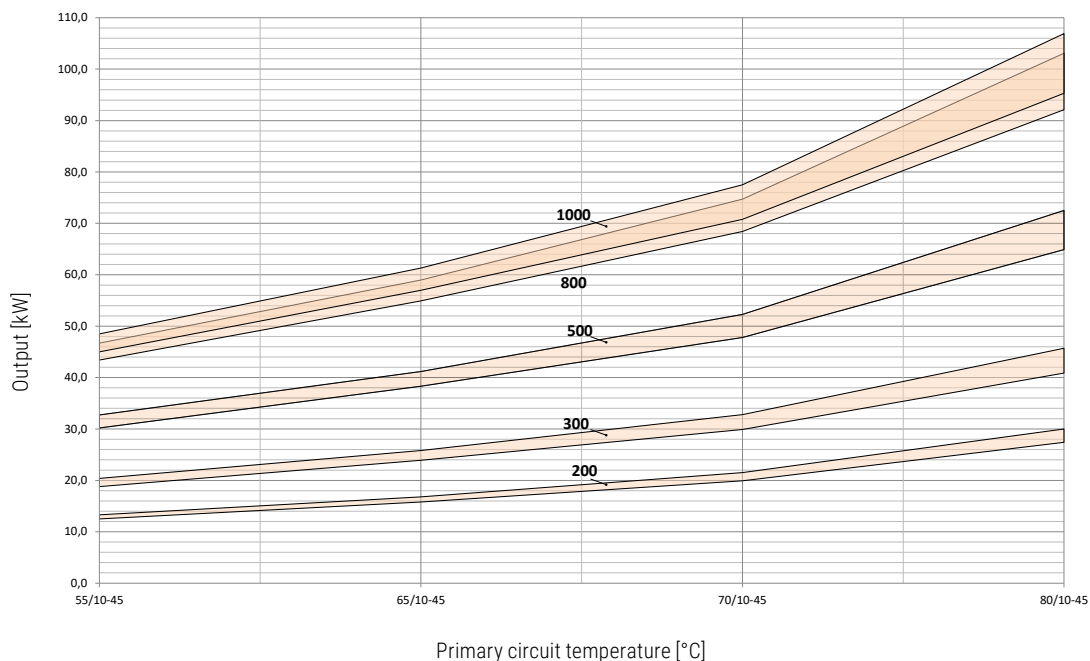
Model	Primary flow rate [m³/h]	DHW produced in the first 10 minutes in lt/10' input 10 °C output 45 °C, storage at t2 and primary at T1				DHW produced in the first hour in lt/60' input 10 °C output 45 °C, storage at t2 and primary at T1				Heat exchanger pressure drop	
		T1/t2				T1/t2				[mmH <sub>2</sub> O]	[mbar]
		55/50	65/60	70/60	80/60	55/50	65/60	70/60	80/60		
200	3	293	293	299	310	369	370	399	453	467	46
	1,5	292	292	298	308	363	365	391	441	135	13
300	4	445	445	453	468	545	547	585	655	999	98
	2	443	444	451	464	536	539	572	636	291	28
500	5	767	767	781	807	949	952	1019	1144	2481	243
	2,5	764	764	777	800	935	938	999	1111	728	71
800	6	1146	1147	1165	1198	1380	1383	1470	1629	4264	418
	3	1142	1143	1160	1189	1363	1367	1446	1588	1253	123
1000	6	1357	1358	1378	1414	1617	1621	1717	1892	4705	461
	3	1353	1354	1372	1405	1598	1603	1689	1845	1385	136

# BOLLY® 2 XL INOX

## UPPER HEAT EXCHANGERS TECHNICAL DATA

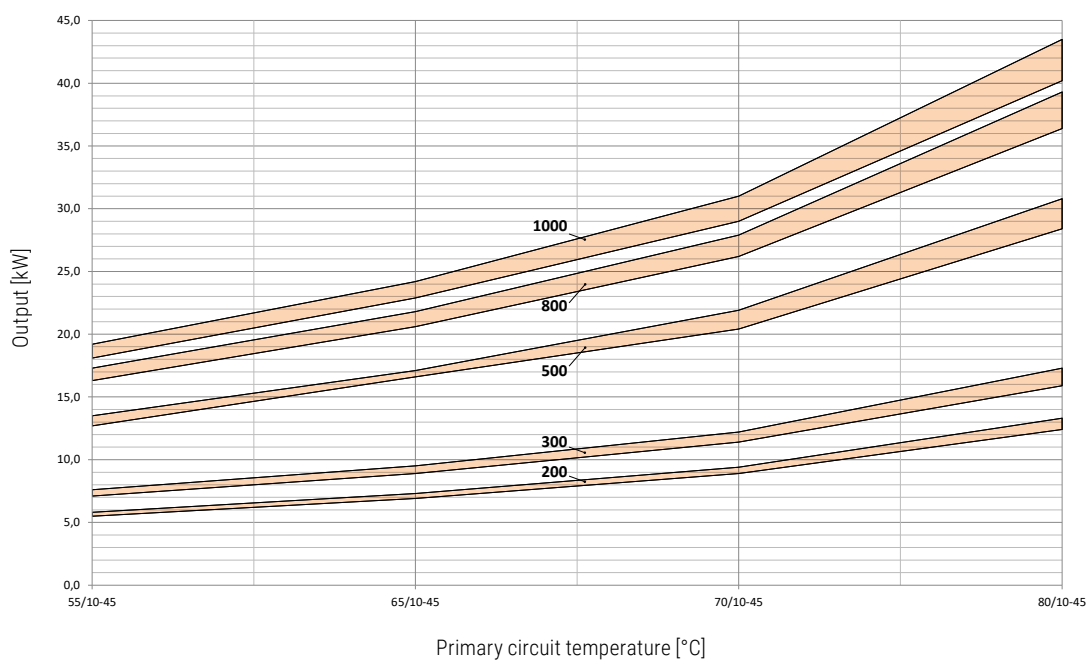


Heat Exchanger output referred to temperature and flow rate of primary circuit and with secondary at 10/45°C at maximum withdrawal of producible DHW (Upper limit of the curves referred to maximum primary flow rate in the heat exchanger, while the lower limit in the curves refer to the minimum primary flow rate)



Model	200		300		500		800		1000	
Bolly® 2 XL inox										
Flow rate [m³/h]	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	2,5	1,25	3	1,5	3,5	1,75	6	3	6	3

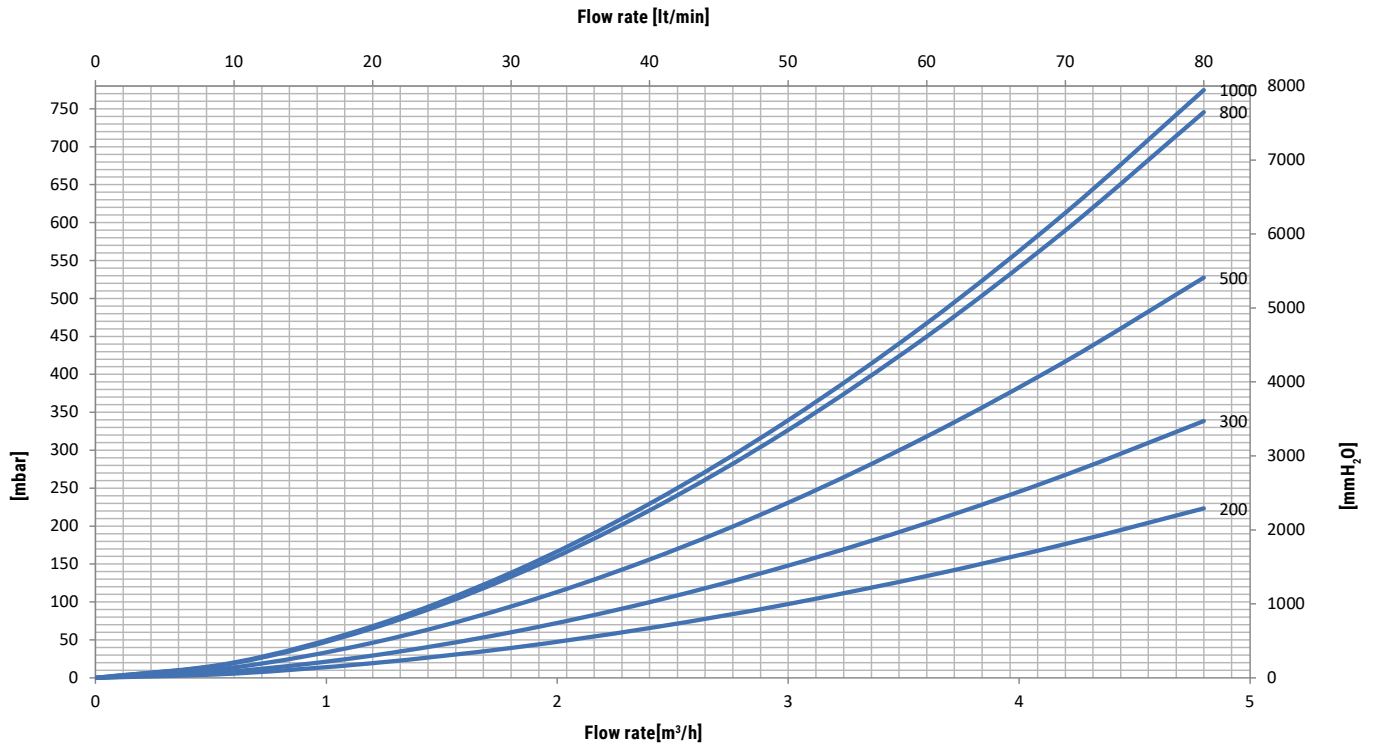
## LOWER HEAT EXCHANGERS TECHNICAL DATA



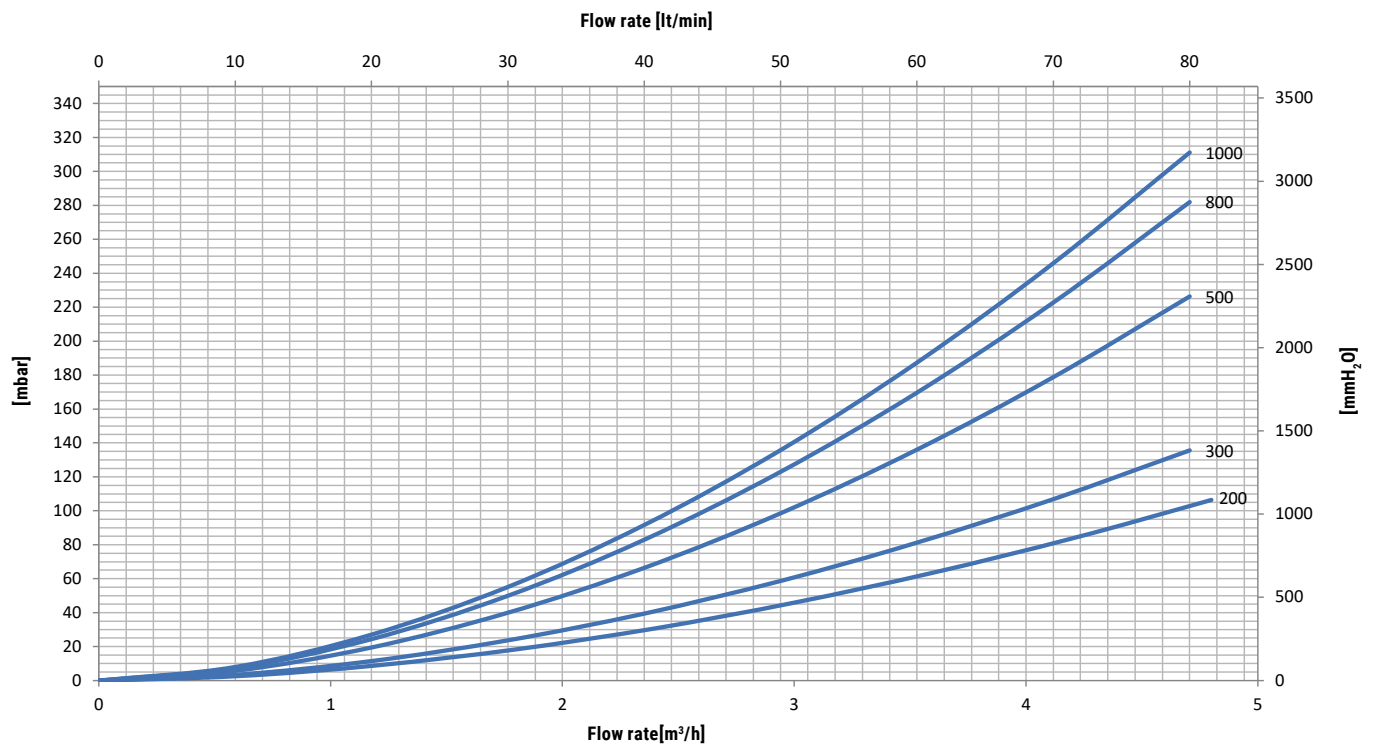
Model	200		300		500		800		1000	
Bolly® 2 XL inox										
Flow rate [m³/h]	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	2,5	1,25	3	1,5	3,5	1,75	6	3	6	3

# BOLLY® 2 XL INOX

## UPPER HEAT EXCHANGERS PRESSURE DROP

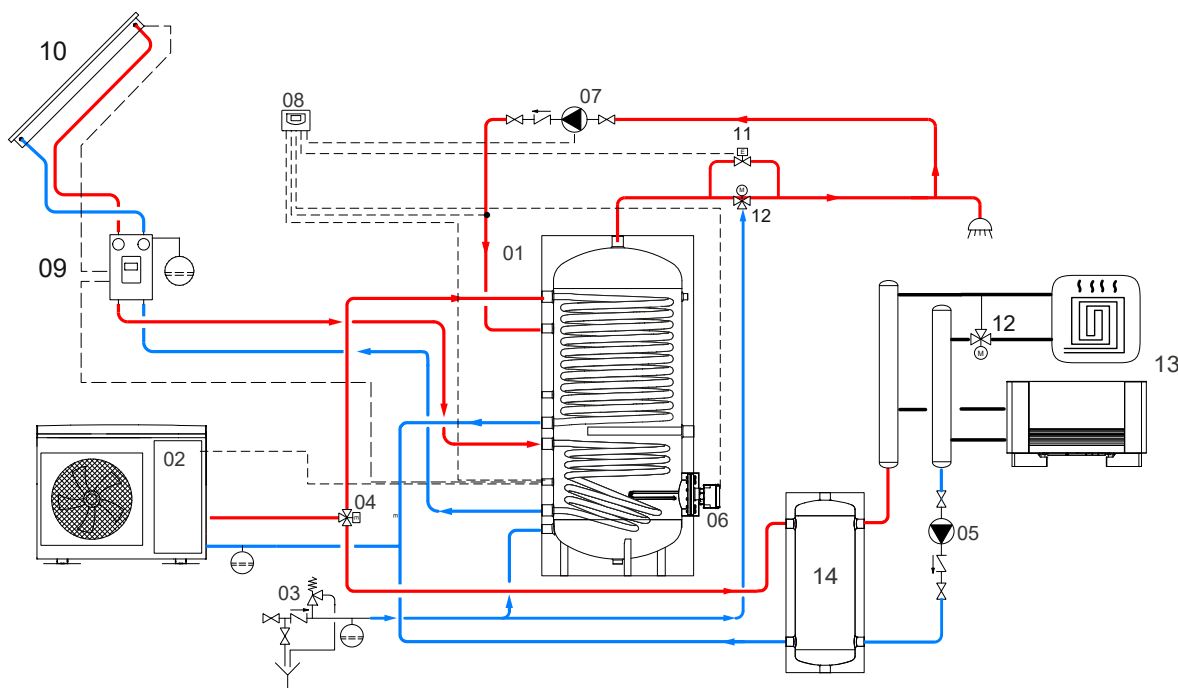


## LOWER HEAT EXCHANGERS PRESSURE DROP





## EXAMPLE OF INSTALLATION WITH BOLLY® 2 XL INOX



1	BOLLY® 2 XL INOX	5	Circulation group for heating/cooling system	9	Solar system circulation group	13	Heating units
2	Generator (Heat pump)	6	Electric immersion heater	10	Solar panels	14	Buffer tank
3	Hydraulic safety group	7	D.H.W. recirculation group	11	By-pass solenoid valve		
4	Motorized 3-way valve	8	Electronic Control/thermostat	12	Mixing valve		

The following schemes are purely illustrative. To realize the installation, always refer to a qualified technician.