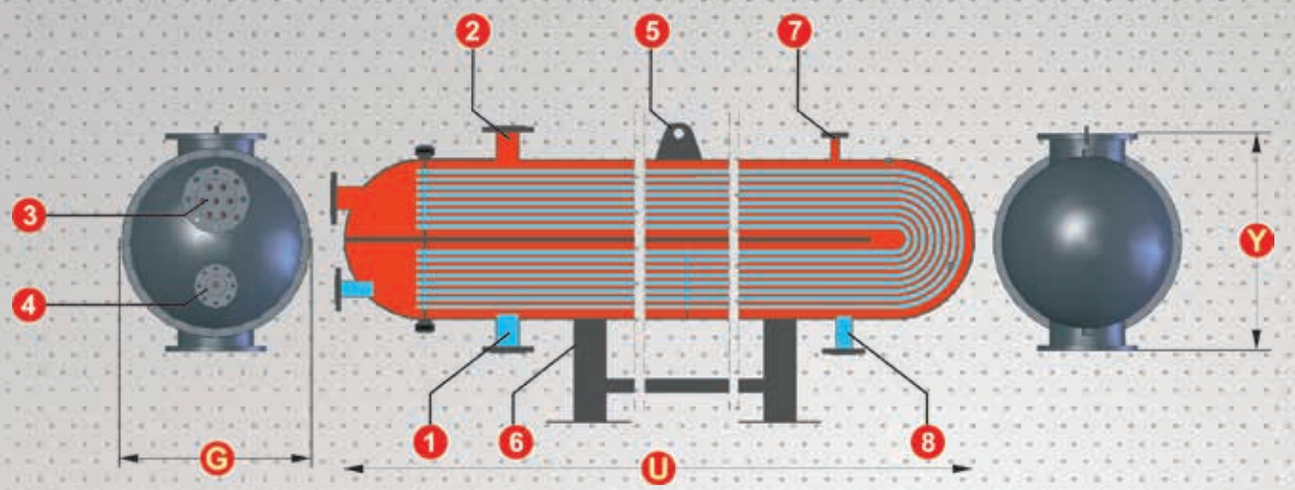
TS 1996
ISO 9001–2008
BFPN: 160-000

THE FEATURES OF ASE EXCHANGERS WITH SERPENTINE

- BFPN : 160-100 has been designed to obtain hot water from steam or hot water with copper pipe serpentine, counter flow in accordance with TS EN 10217-1 and the body of which has been designed from Fe 37 material and its copper pipe has been manufactured in accordance with TS 8324 EN 12451.
- BFPN : 160-300 has been designed to obtain hot water from steam or hot water with steel pipe serpentine, counter flow in accordance with TS EN 10217-1 and the body of which has been designed from Fe 37 material and its steel pipe has been manufactured in accordance with TS 301/2.
- It provides hygienic and plenty hot water.
- With heater boilers, solar collectors and other heating devices, it allows using in closed and open system.
- Internal body of the boilers is manufactured as stainless, hot galvanized dipping, and epoxy painted.
- It is resistant to pressure fluctuations and the high pressures in high buildings.
- It is resistant to rusting and corrosion.
- It provides quality hot water usage opportunity in the houses, hotels, industry, service sector where hot water is needed at low and high capacities.
- It produces hot water in small volumes and high capacities.
- ASE can be designed and installed in vertical or horizontal location.
- Thanks to appropriate internal design, it has maximum heating surface.
- Thanks to deflecting fluid movement, it provides maximum heat transfer.
- There must be a security valve as much as more than 10% of the operating pressure in cold water feeding circuit.



1. Mains Water Input Nozzle
2. Hot Tap Water Outlet Nozzle
3. Heater fluid input nozzle (Steam input)
4. Heater fluid output nozzle (Condense output)
5. Lifting lug
6. Abutment
7. Thermometer, manometer nozzles
8. Thermostatic valve connection

TECHNICAL DIMENSIONS OF ASE EXCHANGERS WITH SERPENTINE

EXCHANGER TYPE	UNIT	ASE 1	ASE 2	ASE 3	ASE 4	ASE 5	ASE 6	ASE 8	ASE 10	ASE 12	ASE 15	ASE 17
Volumetric Capacity	m^2	1	2	3	4	5	6	8	10	12	15	17
Thermal Capacity (0,5 Atü)	Kcal/h	21.000	50.000	70.000	86.000	115.000	130.000	165.000	240.000	260.000	340.000	370.000
Thermal Capacity (1 Atü)	Kcal/h	25.000	53.000	80.000	100.000	130.000	150.000	190.000	260.000	295.000	385.000	420.000
Thermal Capacity (3 Atü)	Kcal/h	32.000	70.000	100.000	125.000	170.000	190.000	240.000	330.000	380.000	495.000	535.000
Thermal Capacity (6 Atü)	Kcal/h	61.000	135.000	186.000	230.000	325.000	370.000	465.000	650.000	750.000	980.000	1.050.000
Width G	Ø mm	500	500	600	600	600	700	700	700	700	700	700
Length U	mm	1.200	1.200	1.200	1.200	1.200	1.550	1.750	1.850	2.150	3.150	3.150
Height Y	mm	1.000	1.000	1.100	1.100	1.100	1.200	1.200	1.200	1.200	1.200	1.200
Base width x length	mm	600x1300	600x1300	700x1300	700x1300	700x1300	800x1650	800x1850	800x1950	800x2250	800x3250	800x3250
Heater fluid input	PN 16	Ø 50	Ø 50	Ø 80	Ø 80	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 125
Heater fluid output	PN 16	Ø 25	Ø 25	Ø 32	Ø 32	Ø 32	Ø 32	Ø 40	Ø 40	Ø 40	Ø 50	Ø 50
Heated fluid input	mm	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 125	Ø 125	Ø 150	Ø 150
Heated fluid output	mm	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 125	Ø 125	Ø 150	Ø 150
Security output	PN 16	20/32	20/32	20/32	20/32	20/32	20/32	25/40	25/40	25/40	25/40	40/65
Vacation	mm	Ø 25	Ø 25	Ø 32	Ø 32	Ø 32	Ø 32	Ø 40	Ø 40	Ø 40	Ø 50	Ø 50

EXCHANGER TYPE	UNIT	ASE 1	ASE 2	ASE 3	ASE 4	ASE 5	ASE 6	ASE 8	ASE 10	ASE 12	ASE 15	ASE 17
Volumetric Capacity	m^2	20	25	30	35	40	45	50	60	70	80	100
Thermal Capacity (0,5 Atü)	Kcal/h	425.000	560.000	620.000	800.000	865.000	1.000.000	1.600.000	2.580.000	2.700.000	3.300.000	3.600.000
Thermal Capacity (1 Atü)	Kcal/h	480.000	640.000	700.000	900.000	1.000.000	1.150.000	1.750.000	2.800.000	2.900.000	3.500.000	3.800.000
Thermal Capacity (3 Atü)	Kcal/h	620.000	820.000	900.000	1.150.000	1.250.000	1.500.000	2.050.000	3.150.000	3.400.000	3.800.000	4.200.000
Thermal Capacity (6 Atü)	Kcal/h	1.250.000	1.600.000	1.785.000	2.250.000	2.400.000	3.800.000	4.000.000	6.200.000	6.750.000	7.500.000	8.100.000
Width G	Ø mm	700	800	800	900	900	1.000	1.000	1.200	1.200	1.200	1.400
Length U	mm	3.400	2.750	3.450	3.150	3.500	3.400	3.550	3.300	3.400	3.550.000	3.600
Height Y	mm	1.200	1.300	1.300	1.400	1.400	1.500	1.500	1.700	1.700	1.700	1.900
Base width x length	mm	800x3500	900x2850	900x1350	1000x3250	1000x3600	1100x3500	1100x3650	1300x3400	1300x3500	1300x3650	1500x3700
Heater fluid input	PN 16	Ø 125	Ø 150	Ø 150	Ø 150	Ø 150	Ø 150	Ø 150	Ø 150	Ø 150	Ø 150	Ø 150
Heater fluid output	PN 16	Ø 50	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 100
Heated fluid input	mm	Ø 150	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200
Heated fluid output	mm	Ø 150	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200
Security output	PN 16	40/65	40/65	40/65	50/80	50/80	65/100	65/100	80/125	100/150	100/150	100/150
Vacation	mm	Ø 50	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 100

- Base width must be accepted minimum as 100 mm.
- The right of making change in technical issues is reserved by our firm.
- Special designs and manufacturing can be done.