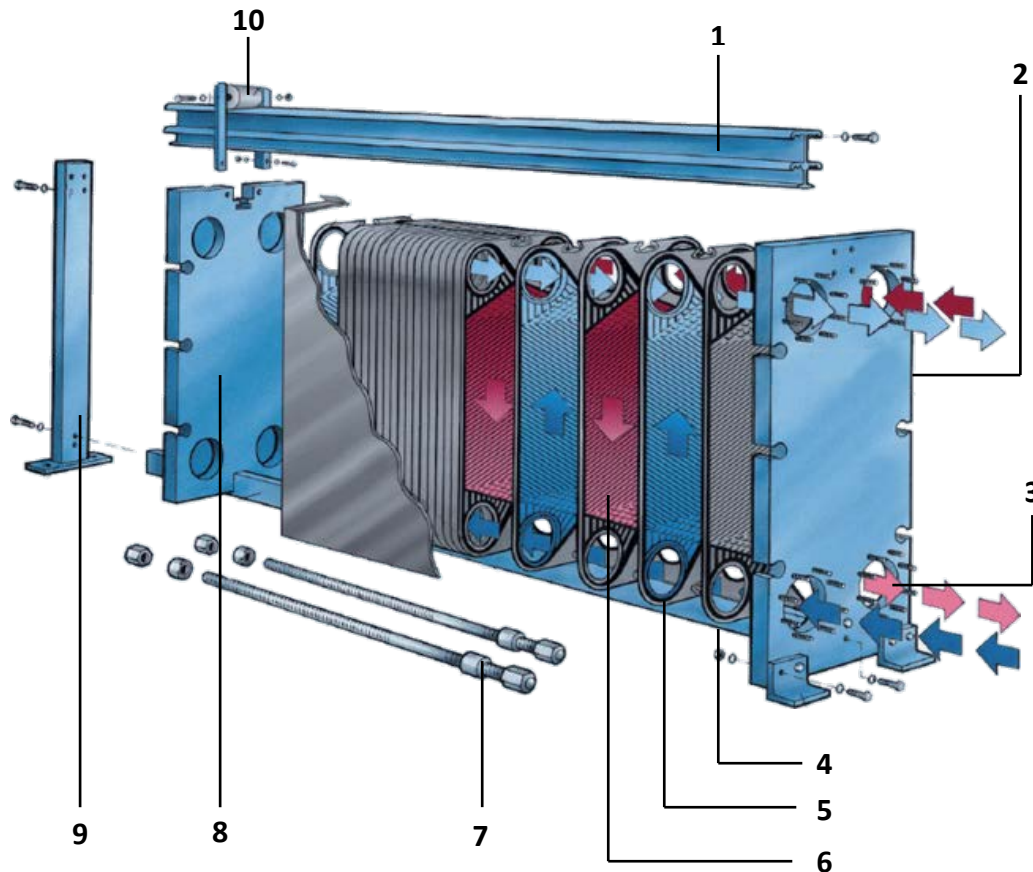


## PLATE HEAT EXCHANGER | A SERIES | GASKETED TYPE

**Flow Ranges:** 10 – 4600m<sup>3</sup>/hr | **Nozzle Size:** DN25 – DN500

**Working Pressure:** 10 to 25 bar | **Temperature Range:** -20°C to +180°C

**Design Code:** ASME Section VIII DIV 1, AD2000, PED 97/23/EC



### 1. Carry Bar

- Work as a carrier and guide to both the plate pack and the movable frame, supported by the fixed frame and support column.

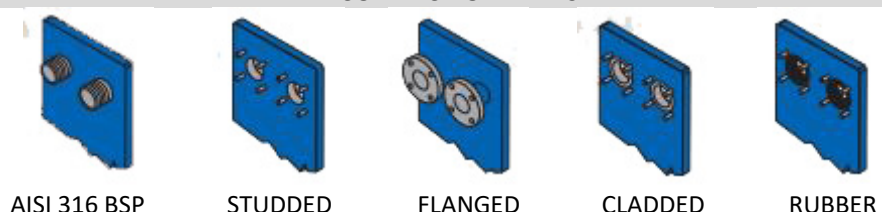
### 2. Fixed Frame

- The epoxy painted frame is made up of thick steel pressure retaining components, the Fixed Frame & Movable Frame – pull together with the tightening bolts to form the pressure retaining structure for the heat transfer plate pack. Made in accordance to design code and pressure rating.

### 3. Connections / Nozzles

- Available in studded and welded neck (Short Spool) type as standard, others available on request.
- Rubber or stainless steel lined are standard, other material is available upon request.

### CONNECTION TYPES



AISI 316 BSP

STUDED

FLANGED

CLADDED

RUBBER

#### 4. Lower Guide Bar

- To align the plates during assemble.

#### 5. Gaskets

- Seals the plate channel and directs the hot & cold liquid into alternate channel
- Made of NBR, EPDM or VITON glueless type. Other material available on request.

| Maximum Working Temperature |               |               |
|-----------------------------|---------------|---------------|
| EPDM                        | NBR           | VITON         |
| 140°C – 160°C               | 120°C – 140°C | 180°C – 200°C |

#### 6. Heat Transfer Plates

- Corrugated plates and chevron angles designed to induce liquid turbulence flow for higher HT efficiency. Plate thickness available in 0.4mm to 0.8mm with material in standard SS304 or SS316, Titanium, SMO254, Hastelloy and etc.

#### 7. Tightening Bolts & Nuts

- Made from high tensile steel with corrosion resistant coating to tighten the plate pack.

#### 8. Movable Frame

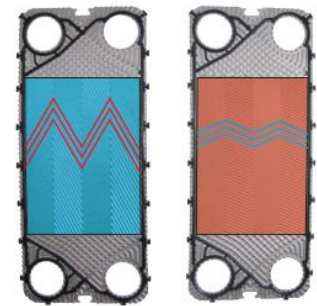
- Comes with Fixed Frame to clamp the plate pack with the tightening bolts.

#### 9. Support Column

- Hold and support the unit.

#### 10. Roller

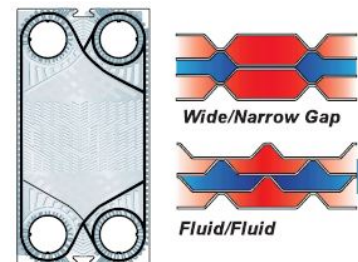
- Attached to the movable frame for the ease of movement during assemble and maintenance



Thermally Short Thermally Long

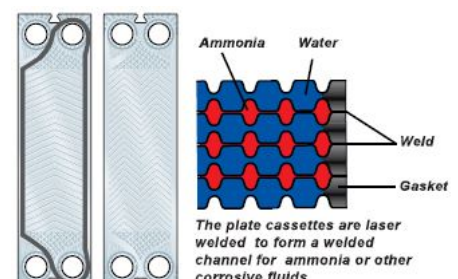
### AWG SERIES | WIDE GAP

AWG Series consists of only wide gap plates. Compare to A Series plates, AWG plates have 5.5mm to 12mm plate gap which makes them easier to use in application where contamination in the fluid is high



### ASW SERIES | SEMI WELDED PLATES

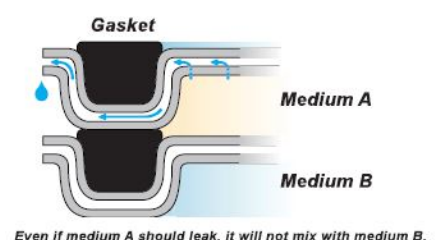
A cassette contains two plates laser welded together. The advantage of this method is; one side has a welded plate channel and the other side has a traditional plate channel with gaskets. On the welded side, there are two specially produces corner hole gaskets creating the sealing between two cassettes. Thus, the gasket exposure to the fluid is reduced to a minimum on welded side



The plate cassettes are laser welded to form a welded channel for ammonia or other corrosive fluids.

### ADP SERIES | DOUBLE WALL PLATES

Two plates laser-welded together to ensure safety. For applications such as pharmaceutical industry, food & beverage, district heating, cooling of transformer oil, etc., where it is crucial that medium are not mixed



Even if medium A should leak, it will not mix with medium B.