

Brochure

Head Office:

Gedung TRANKA 1st Floor, Jl. Raya Pasar Minggu No. 17

Jakarta 12520

Phone: 021-7982574, Fax: 021-7983011, 7971870

Website: www.yanfaseparationphe.com

Yanfa

PT. YANFA PUTRA ALAM

Separation and Plate Heat Exchanger Specialist

Gasketed Plate Heat Exchanger

High quality Vitherm gasket plate heat exchangers are designed with easy access for regular servicing and for a long, low-maintenance lifetime with low life-cycle costs. Vitherm designs plate heat exchanger to meet your process having to meet the needs of a plate heat exchanger. Our gasketed plate heat exchangers offer many advantages over commodity-oriented conventional plate heat exchangers.

The gasketed plate and frame heat exchanger consists of a plate pack of calculated number of embossed plates with perimeter gaskets clamped securely with tie rods between two thick carbon steel plates. The plates have openings at the corners to direct process and service fluid flows through the interplate passageways. Fluids flow alternately between plates in order to achieve high-efficiency heat transfer. The thin fluid flow and the high turbulence created by Vitherm's proprietary embossed plate patterns produce low pressure drops and extremely high heat transfer coefficients.



Plates are pressed in a single stroke by large tonnage hydraulic presses. This enables compliance to extremely tight tolerances, allowing large plate packs to be perfectly aligned in an assembled plate heat exchanger. We use plate material of the highest quality and optimum thickness (thin plates are extremely difficult to reseal after use), making our plates more reliable and longer-lasting. Vitherm gaskets are thicker and wider than most, ensuring that they can be reused many times.

Vitherm heat exchangers, efficient and technologically advanced, are installed worldwide in various industries. It is ideal for any industry application requiring an efficient and economical heat transfer product.



Medan Branch Office, Ruko Pendawa Jaya – Jl. Harmonika Baru No. 66,
Pasar 2 Tanjung Sari - Medan 20132

Phone : 62-61 8221836, 08126080182, Fax : 62-61 8221836

Brochure

Head Office:
Gedung TRANKA 1st Floor, Jl. Raya Pasar Minggu No. 17
Jakarta 12520
Phone: 021-7982574, Fax: 021-7983011, 7971870
Website: www.yanfaseparationphe.com

Yanfa

PT. YANFA PUTRA ALAM

Separation and Plate Heat Exchanger Specialist

Vitherm GASKETED PHE SIZE RANGE

Model No.	Approximate Dimensions of PHE								Standard Connection	
	Width		Height		Min Length		Max Length			
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
VX2	6	152	16	406	8	203	22	558	¾	20
VX4	7	178	24	610	13	330	32	813	1	25
VX8	10	254	30	762	14	356	35	889	2	50
VX13	13	330	33	838	14	356	49	1245	2	50
VX20	13	330	43	1092	25	635	49	1245	2	50
VX28	20	508	49	1245	53	1346	93	2362	4	100
VX45	20	508	66	1676	53	1346	93	2362	4	100
VX60	26	660	71	1803	44	1118	170	4318	6	150
VX85	33	838	86	2184	51	1295	197	5004	8	200
VX100	26	660	100	2540	44	1118	170	4318	6	150
VX110	45	1143	82	2081	59	1499	191	4851	12	300
VX130	39	991	93	2362	58	1473	190	4826	10	250
VX170	47	1200	86	2181	77	1960	181	4585	16	400

PLATE MATERIALS

SS 304, 316, 316L
Titanium
Nickel 200
HASTELLOY® C-276, C-22, B-2
AVESTA® 254-SMO
Other plate materials available

GASKET MATERIALS

Nitrile
EPDM
Viton
Neoprene
Hypalon
Other gasket materials available

FEATURES :

- High heat transfer efficiency
- Compact design
- Low maintenance cost
- Single stroke plate pressing
- Glued or V-clip gasket
- Wide range of choices

APPLICATION :

- HVAC industry
- Vegetable oil industry
- Chemical/Petrochemical industry
- Mining/Metal process
- Oil and gas industry
- Food processing and beverages
- Marine industry
- Pulp and Paper
- Pharmaceutical industry
- General industry



Medan Branch Office, Ruko Pendawa Jaya – Jl. Harmonika Baru No. 66,
Pasar 2 Tanjung Sari - Medan 20132

Phone : 62-61 8221836, 08126080182, Fax : 62-61 8221836

Brochure

Head Office:

Gedung TRANKA 1st Floor, Jl. Raya Pasar Minggu No. 17

Jakarta 12520

Phone: 021-7982574, Fax: 021-7983011, 7971870

Website: www.yanfaseparationphe.com

Yanfa

PT. YANFA PUTRA ALAM

Separation and Plate Heat Exchanger Specialist

OTHER PRODUCTS :



Vitherbloc®
Welded Plate
Heat Exchanger

Max. Design Pressure: 36.0 barg

Max. Design Temperature: 320°C

Application:

- ✓ Oil & Gas Industry
- ✓ Vegetable Oil Industry
- ✓ Chemical/Petrochemical Industry
- ✓ Pharmaceutical Industry
(without gasket between plates)



Vithershell®
Plate & Shell
Heat Exchanger

Max. Design Pressure: 55.0 barg

Max. Design Temperature: 320°C

Application:

- ✓ Refrigeration System
- ✓ Thermal Oil System
- ✓ Chemical/Petrochemical
(an ideal replacement for semi-welded PHE)



Vithermbox®
Wide Gap Welded
Plate Heat Exchanger

Max. Design Pressure: 20.0 barg

Max. Design Temperature: 320°C

Application:

- ✓ Pulp & Paper Industry
- ✓ Vegetable Oil Industry
- ✓ Mining Industry
- ✓ Sugar Industry
- ✓ Fuel Alcohol Production
(an ideal replacement for spiral heat exchanger, wide gap up to 20mm)

Medan Branch Office, Ruko Pendawa Jaya – Jl. Harmonika Baru No. 66,
Pasar 2 Tanjung Sari - Medan 20132

Phone : 62-61 8221836, 08126080182, Fax : 62-61 8221836