

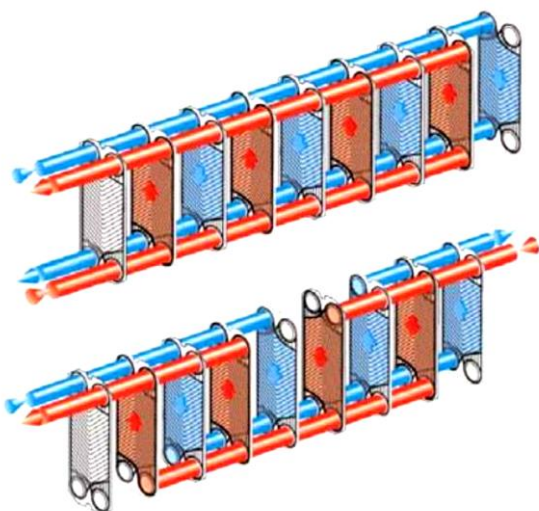
### SYSTEM OVERVIEW

The **plate and frame heat exchangers (PHE)** are the most efficient (UP TO 95% EFFICIENT) and economical type of Heat Exchanger available on the market with compact space saving design. Sepak offers the design, supply, service, and installation of Heat Exchanger systems.

- Water to water heating or cooling
- Heat recovery
- Pasteuriser for Milk, Wine, or Juices
- Chilling of fluids (Glycol)
- Protection of High-value cooling and heating equipment
- Stainless Steel 316 as primary material
- Optional titanium and other exotic materials available.

### APPLICATION

- Water to water or Liquid to liquid
- Steam to water or product
- Airconditioning system condensers
- Refrigeration system condensers or evaporators
- Milk cooler
- Heat recovery
- Milk pasteurisers
- Juice pasteurisers
- Cream pasteurisers
- And many more applications

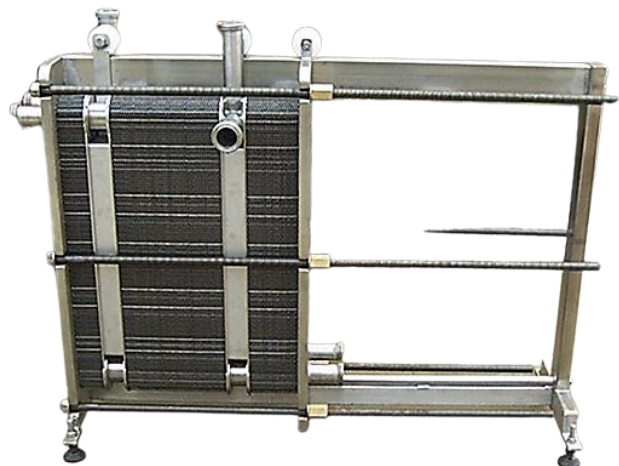


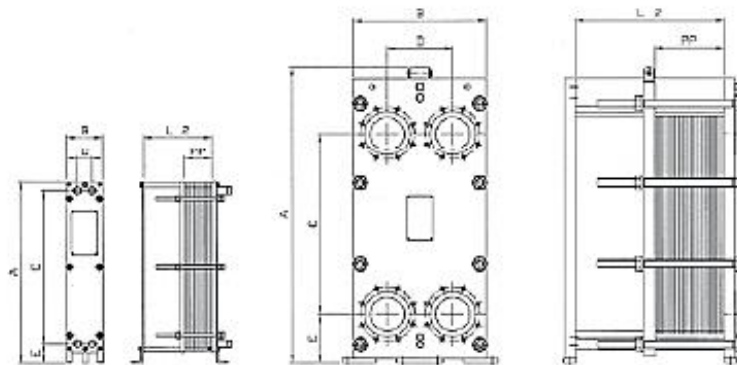
### GASKETED PLATE DESIGN

With a big range of PHE's Sepak has got the optimal technical solution for any possible task, with connection sizes ranging from Ø15 – Ø500 mm covering a liquid flow of 50L/hour – 2000 cubic m/hr.

Gasketed PHE's are suitable for hygienic and sterile applications as Sepak Industries manufacture Stainless steel frame Heat Exchangers using hygienic connections that complies with food, beverage & pharmaceutical industry standards.

Sepak Industries also manufactures Mild Steel frame Heat Exchangers with screwed or flanged connections for industrial service applications.





frame/ pressure rating	max. pressure range bar	max. number of plates	surface/ plate m <sup>2</sup>	A	B	C	D	E	L2	PP	connections	max. surface m <sup>2</sup>
				mm	mm	mm	mm	mm	mm	mm		
FP 04	16	125	0,04	460	160	336	65	85	150-600	pcs. x 2,4	1"	5
FP 08	16	150	0,08	800	160	675	65	85	150-600	pcs. x 2,4	1"	12
FP 14	16	200	0,14	837	310	590	135	132	250-1000	pcs. x 2,4	2"	28
FP 20	16	200	0,20	1066	310	819	135	132	250-1000	pcs. x 2,4	2"	40
FP 05	25	150	0,04	532	200	381	70	45	250-1000	pcs. x 2,7	1"	6
FP 09	25	150	0,08	827	200	676	70	45	250-1000	pcs. x 2,7	1"	12
FPDW 05	16	150	0,04	532	200	381	70	45	250-1000	pcs. x 2,9	1"	6
FP 10	25	200	0,10	733	310	494	126	128	250-1000	pcs. x 2,9	2"	20
FP 16	25	200	0,16	933	310	694	126	128	250-1000	pcs. x 2,9	2"	30
FP 22	25	200	0,21	1182	310	894	126	128	250-1000	pcs. x 2,9	2"	45
FPDW 16	25	200	0,16	933	310	694	126	128	250-1000	pcs. x 3,1	2"	30
FP 19	16	500	0,19	1080	440	650	202	200	500-2500	pcs. x 3,1	DN 80	100
FPDW 19	16	500	0,19	1080	440	650	202	200	500-2500	pcs. x 3,1	DN 80	100
FP 205	25	500	0,21	1160	480	719	225	204	500-2500	pcs. x 3,1	DN 100	105
FP 31	25	500	0,30	1332	480	894	225	204	500-3000	pcs. x 3,1	DN 100	150
FP 40	25	500	0,40	1579	480	1141	225	204	500-3000	pcs. x 3,1	DN 100	200
FP 50	25	500	0,50	1826	480	1388	225	204	500-3000	pcs. x 3,1	DN 100	250
FP 71	25	500	0,70	2320	480	1882	225	204	500-3000	pcs. x 3,1	DN 100	350
FPDW 205	16	500	0,21	1160	480	719	225	204	500-3000	pcs. x 3,3	DN 100	105
FPDW 31	16	500	0,30	1332	480	894	225	204	500-3000	pcs. x 3,3	DN 100	200
FPDW 50	16	500	0,50	1826	480	1388	225	204	500-3000	pcs. x 3,3	DN 100	250
FP 41	25	700	0,40	1470	620	941	290	225	500-4000	pcs. x 3,5	DN 150	280
FP 60	25	700	0,60	1835	620	1306	290	225	500-4000	pcs. x 3,5	DN 150	420
FP 80	25	700	0,80	2200	620	1671	290	225	500-4000	pcs. x 3,5	DN 150	560
FPDW 80	16	700	0,80	2200	620	1671	290	225	500-4000	pcs. x 3,7	DN 150	560
FP 42	25	750	0,40	1470	620	941	290	225	500-4000	pcs. x 3,1	DN 150	315
FP 62	25	750	0,60	1835	620	1306	290	225	500-4000	pcs. x 3,1	DN 150	450
FP 82	25	750	0,80	2200	620	1671	290	225	500-4000	pcs. x 3,1	DN 150	600
FP 112	25	750	1,15	2687	620	2157	290	225	500-4000	pcs. x 3,1	DN 150	840
FP 405	25	700	0,41	1380	760	770	395	285	500-4000	pcs. x 3,1	DN 200	300
FP 70	25	700	0,70	1740	760	1130	395	285	500-4000	pcs. x 3,1	DN 200	355
FP 100	25	700	1,00	2100	760	1490	395	285	500-4000	pcs. x 3,1	DN 200	700
FP 130	25	700	1,30	2460	760	1850	395	285	500-4000	pcs. x 3,1	DN 200	910
FPDW 100	16	700	1,00	2100	760	1490	395	285	500-4000	pcs. x 3,3	DN 200	700
FP 81	25	800	0,80	1930	980	1100	480	365	1780-5280	pcs. x 3,8	DN 300	640
FP 120	25	800	1,20	2320	980	1490	480	365	1780-5280	pcs. x 3,8	DN 300	960
FP 160	25	800	1,60	2710	980	1879	480	365	1780-5280	pcs. x 3,8	DN 300	1280
FP 190	25	800	1,90	3100	980	2267	480	365	1780-5280	pcs. x 3,8	DN 300	1520
FP 150	25	800	1,50	2500	1370	1466	672	480	1980-5980	pcs. x 4,1	DN 500	1600
FP 200	25	800	2,00	2855	1370	1822	672	480	1980-5980	pcs. x 4,1	DN 500	1600
FP 250	25	800	2,50	3211	1370	2178	672	480	1980-5980	pcs. x 4,1	DN 500	2000
FP 300	25	800	3,00	3567	1370	2534	672	480	1980-5980	pcs. x 4,1	DN 500	2400

FP gasketed/ bolted PHE (standard design) · FPDW safety PHE (double-wall plate design) · More types and sizes on request · Technical changes reserved  
 pcs. = number of plates