

HPX1 Series

High Purity PFA Heat Exchanger

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding

Submersible Heat Exchanger for High Resolution Process Temperature Control:

The Parker HPX1 PFA Heat Exchanger enables high resolution temperature control of processing chemicals or high purity water. Built with a special PFA tubing, the HPX1 offers high performance heat transfer to surrounding fluids while ensuring process purity and safety through a leak-proof design.

The HPX1 is available in different lengths and end connections to provide the configuration best suited for your needs. This flexibility puts you in control of your processes.



Contact Information:

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Product Features:

- Submersible heat exchanger mounts inside a tank requiring no external space for installation
- Built with 85 special thin walled PFA tubes designed to maximize heat transfer while maintaining a high pressure rating
- Ideal for semiconductor and pharmaceutical process control applications
- Operates in a wide temperature and pressure range making the HPX1 compatible with most chemical processing conditions.
- Leak proof design assures integrity of process chemicals
- Product manufactured in the USA

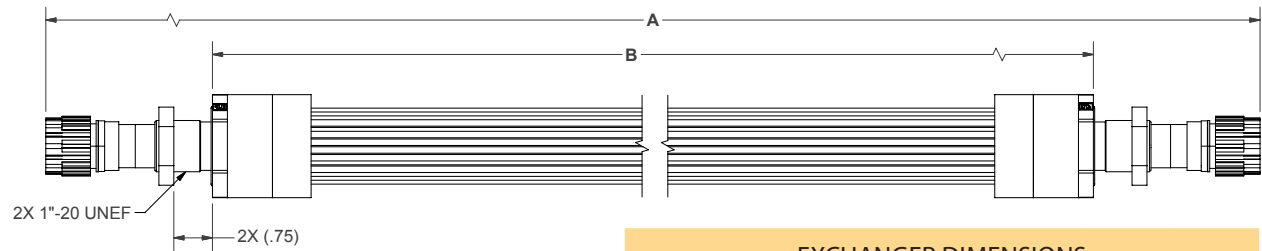


ENGINEERING YOUR SUCCESS.

HPX1 Series

Dimensional Drawing

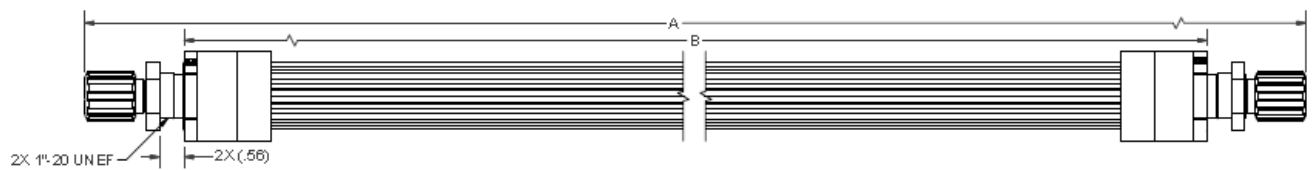
PILLAR END CONNECTIONS 1/2"



EXCHANGER DIMENSIONS

Part Number	A		B	
	in	m	in	m
HPX1036080899P(_NPO)	44.86	1.139	38.39	0.975
HPX1070080899P(_NPO)	78.86	2.003	72.39	1.839
HPX1084080899P(_NPO)	92.86	2.359	86.39	2.194

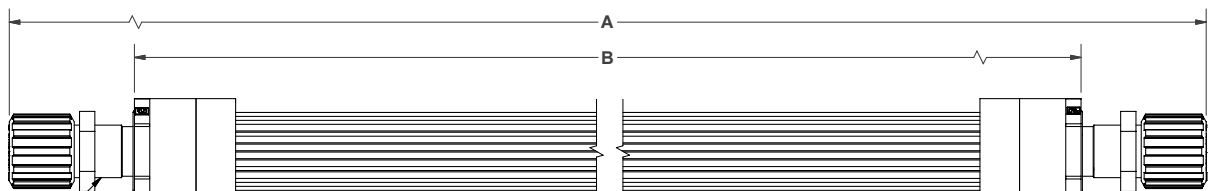
PARFLARE END CONNECTION 1/2"



EXCHANGER DIMENSIONS

Part Number	A		B	
	in	m	in	m
HPX1036080866P(_NT0)	42.8	1.087	38.39	.975
HPX1070080866P(_NT0)	76.8	1.951	72.39	1.839
HPX1084080866P(_NT0)	91.48	2.324	86.39	2.194
HPX1036080866P(_NH0)	43.48	1.104	38.39	.975
HPX1070080866P(_NH0)	77.48	1.938	72.39	1.839
HPX1080080866P(_NH0)	91.48	2.324	86.39	2.194

PARFLARE END CONNECTION 3/4"



EXCHANGER DIMENSIONS

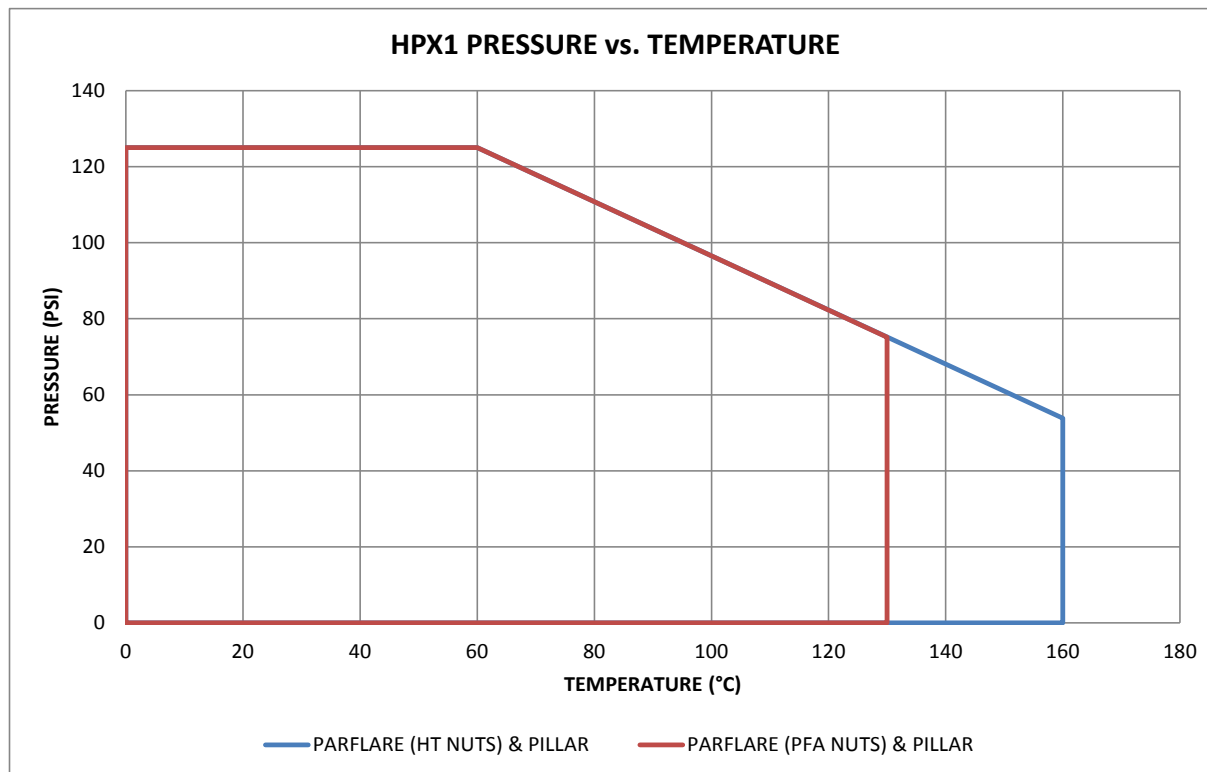
Part Number	A		B	
	in	m	in	m
HPX1036121266P(_NT0)	43.13	1.096	38.39	0.975
HPX1084121266P(_NT0)	91.13	2.315	86.39	2.194
HPX1036121266P(_NH0)	44.13	1.120	38.39	0.975
HPX1084121266P(_NH0)	92.13	2.340	86.39	2.194

HPX1 Series

Materials of Construction	
Wetted Options	PFA
Non-wetted Options	PERFLUROELASTOMER (O-RING), TEFZEL® (HT NUT), PFA, POLYPROPYLENE (Spacer Plates)
Pressure Ranges	
Operating	See Pressure -vs- Temperature Chart
Temperature Ranges	
Storage	-40° - 150° F (-40° - 66° C)
Fluid	32° - 266° F (0° - 130° C) Parflare (PFA Nuts) * 32° - 320° F (0° - 160° C) Parflare (HT Nuts & Pillar) *

Flow Capacity (approximate)	
36" w/ 1/2" Connections	Cv 2.7
36" w/ 3/4" Connections	Cv 4.2
70" w 1/2" Connections	Cv 2.3
84" w/ 3/4" Connections	Cv 3.0

* Spacer Plates limit temperature to 100° C.



HPX1 Series

Ordering Information

Build a HPX1 Series Heat Exchanger by replacing the numbered symbols with an option from the corresponding tables below.

Sample: 1 2 3 4 5 6 7 8 9 10 11
 Finished HPX1036080866PPNT1

1 Basic Series
HPX1

2 Length
036 = 36 in / 3 ft
070 = 70 in / 5.83 ft
084 = 84 in / 7 ft

3 Inlet Connection Size
08 = 1/2"
12 = 3/4" (not available in Pillar)

4 Outlet Connection Size
08 = 1/2"
12 = 3/4" (not available in Pillar)

5 Inlet Connection Type
6 = Flare
9 = Pillar

6 Outlet Connection Type
6 = Flare
9 = Pillar

7 Panel Nut
N = None
P = PFA Panel Nut

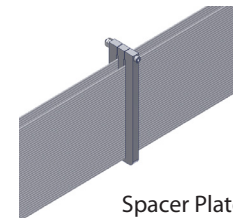
8 O-Ring
N = None
P = PK (only w/Panel Nut)

9 High Purity
N = High Purity PFA Tubing

10 Nuts
N = None
P = Pillar
T = PFA Nuts, Flare
H = HT Nuts, Tefzel Flare Nut

11 Spacer Options
0 = No Spacer Plate
1 = 1 Spacer Plate *
2 = 2 Spacer Plates *
* Spacer Plates are shipped unassembled and limits temperature to 100° C.

Note for items 3, 4, 5, & 6:
Inlet and outlet connection size and type may not be mixed.



Spacer Plates can be ordered individually with PN 54024457

OFFER OF SALE:

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