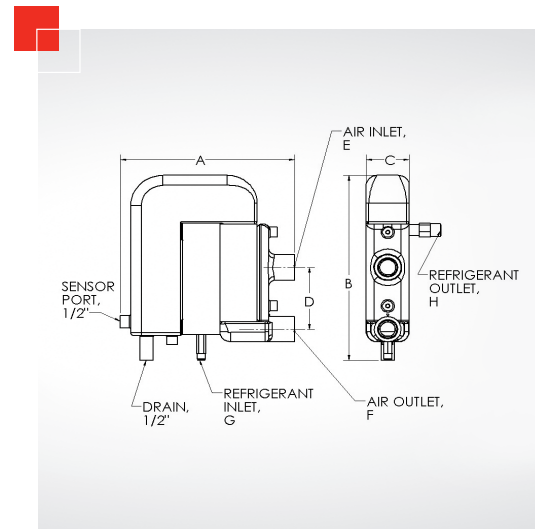


## PCR With FinSep®

The PCR is a compact multi-section all-aluminum heat exchanger featuring a brazed bar and plate design. The PCR pre-cools the incoming air using the cold air exiting the refrigerant section. It then cools the air in the refrigerant section before the air stream enters a separation chamber to allow the condensed moisture to fall out. Since the air is reheated in the regeneration section, the final humidity remains below 25%.

Model	A	B	C	D	E	F	G	H
1	391	445	45	157	1"	1"	.75" - 16 UNF	.75" - 16 UNF
2	394	448	69	157	1.5"	1.5"	.75" - 16 UNF	1" - 14 UNF
3	416	470	103	157	1.5"	1.5"	.75" - 16 UNF	1.25" - 12 UNF
4	425	489	127	179	2"	2"	.75" - 16 UNF	1.25" - 12 UNF
5	425	473	163	179	2"	2"	.75" - 16 UNF	1.25" - 12 UNF
6	416	489	170	179	2"	2"	.75" - 16 UNF	1.25" - 12 UNF

Dimensions are in mm. Air connections are BSP or NPT.  
Refrigerant connections are rotalocks.



Model	Part Number	Mesh, Nominal Capacity, SCFM	Mesh Nominal Capacity, LPS	Mesh Delta P @ Nominal Flow, PSID	Mesh Delta P @ Nominal Flow, mBar	FinSep Nominal Capacity, SCFM	FinSep Nominal Capacity, LPS	FinSep Delta P @ Nominal Flow, PSID	FinSep Delta P @ Nominal Flow, mBar
1	619-2001M-BSP	76	35.9	3.0	206.8	91	42.9	3.4	234.4
2	619-2002M-BSP	146	68.9	3.2	220.6	175	82.6	3.6	248.2
3	619-2003M-BSP	282	133.1	4.7	324.0	338	159.5	5.1	351.6
4	619-2004M-BSP	388	183.1	4.6	317.2	427	201.5	5.1	351.6
5	619-2005M-BSP	529	249.6	5.5	379.2	580	273.7	6.1	420.6
6	619-2006M-BSP	626	295.4	7.0	482.6	626	295.4	6.1	420.6

Nominal capacities are based on ISO-7183 conditions for a 3°C PDP.

### Features

- Direct replacement for the original API PCR
- Improved efficiency
- Higher flow capacity
- Better moisture separation

### Mechanical Design

- Air side design pressure: 14 barG @ 65°C (203 psig @ 149°F)
- Coolant side design pressure: 19.3 barG @ 65°C (280 psig @ 149°F)
- All sizes are PED compliant

