



SepraSol™ Series Liquid/Gas Coalescer Housings

Description

Pall SepraSol™ coalescer housings provide a range of standard vessels to complement the Pall SepraSol and SepraSol Plus liquid/gas coalescers, which are used to remove liquid and solids from a wide range of gas streams found in process industries including refinery, natural gas conditioning, chemical production, and power generation. These housings are available for both the single open-ended and double open-ended SepraSol coalescer designs and the larger SepraSol Plus coalescer designs. Standard sizes accommodate from 1 to 70 coalescers.

Specifications

- Housings are designed and stamped in accordance with ASME/ANSI BPVC Section VIII
- Design ratings - Three standard design classifications are available:
 - Low Pressure: ANSI - 150 lb., 285 psig (19.65 bar) @ 100°F (37.8°C)
 - Medium Pressure: ANSI - 300 lb., 740 psig (51.02 bar) @ 100°F (37.8°C)
 - High Pressure: ANSI - 600 lb., 1480 psig (102.04 bar) @ 100°F (37.8°C)
- Carbon steel construction
- Vent and drain connections, as well as pressure tap ports provided
- Automatic control options available
- External paint

Element Sealing Mechanism

Pall SepraSol liquid/gas coalescer seals are designed to prevent contamination bypass. The single open-ended coalescers are sealed with a single outer O-ring made of material compatible with petroleum products. The double open-ended coalescer is sealed by gaskets and held in place by a tie-rod and seal nut.

Filter Element Selection

The Pall SepraSol and SepraSol Plus liquid/gas coalescer elements are listed in Table 1. Please



refer to Element Data Sheets GAS-4102d, GDS100 or GDS122 for additional information.

Operating Characteristics

All types and grades of SepraSol elements are rated to withstand a maximum temperature of 180°F (82.22°C) for the removal of non-aqueous liquids and 140°F (60.00°C) for the removal of aqueous liquids. All elements have a recommended change-out pressure of 15 psid.

Key Benefits

Combination of these housings with Pall SepraSol elements provide many benefits, including:

- Lower operating costs
- Lower capital costs (minimized envelope size)
- Lower weight
- Maximum flexibility

All Pall SepraSol products contain a patented oleophobic/hydrophobic treatment that enables them to:

- Drain liquids more quickly and handle higher liquid loads
- Recover quickly from slugs and upsets
- Require fewer elements resulting in the smallest vessel for the separation efficiency provided

Table 1: Pall Coalescer Elements for Use in SepraSol™ Housings

Part Number	Description	Outer Diameter (in/mm)	Length (in/mm)
CC3LGA7H13	SeptraSol coalescer (single open-ended)	2¾ / 69.9	30 / 762
CC3LGB7H13	SeptraSol coalescer (single open-ended) Amine/ammonia compatible	2¾ / 69.9	30 / 762
CC3LGO2H13	SeptraSol coalescer (double open-ended)	2¾ / 69.9	30 / 762
CS604LGH13	SeptraSol Plus coalescer (single open ended)	6 / 152.4	40 / 1016
CS604LGBH13	SeptraSol Plus coalescer (single open ended) Amine / ammonia compatible	6 / 152.4	40 / 1016

Ordering Information*

Pall Part Number = ■ LG ▲ ● ◆ F ▼

Number of Elements ■	Housing Diameter (in.) ●	Connection Options (in.) ◆
1	06	02, 03
2	08	03, 04
3	10	03, 04
5	12	04, 06
9	16	06, 08
14	20	06, 08, 10
19	24	06, 08, 10, 12
43	30	08, 10, 12, 14
70	36	12, 14, 16, 18

Code ▲	End Options
Blank	Single open-ended SeptraSol Coalescer
D	Double open-ended SeptraSol Coalescer
H	Single open ended SeptraSol Plus Coalescer

Code ▼	Design Pressure Ratings**
1-285	ANSI-150 lb., 285 psig (19.65 bar) at 100°F (37.78°C)
3-740	ANSI-300 lb., 740 psig (51.02 bar) at 100°F (37.78°C)
6-1480	ANSI-600 lb., 1480 psig (102.04 bar) at 100°F (37.78°C)

* Additional sizes, pressure and connection options are available as specials.

** Note: Standard housings for "single open-ended" cartridges only available in low pressure option.



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