

Series GLP

COALESCER CARTRIDGES
GAS - LIQUID
DIAMETER 152 mm



CHARACTERISTICS:

- Large diameter design for high flow-rate
- High filtering area
- Excellent separation efficiency
- Low initial (*dry*) and saturation (*wet*) pressure drop
- Reduced vessel dimension
- Lower restriction on annular velocity in between of the cartridges
- Flow direction from inside to outside
- Filter media available in fibreglass or polyester
- Stainless steel or tinned steel hardware available
- Double metallic core for higher strength against pressure drop
- Wide range chemical compatibility
- Designed for hydrocarbon aerosol or water removal
- Pleated full polyester arrangement suitable for acid gas or in case of liquid amine presence
- Epoxy resin for end caps assembly
- Suitable for gas with liquids up to 1000 ppm (0.1%) without demister or vane extractor pre-separation
- Separation efficiency: 99.9% for liquids and solids $\geq 0.3 \mu\text{m}$
- Liquid content downstream cartridges down to $< 0.01 \text{ ppm}$

MAIN APPLICATIONS:

- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- POWER GENERATION
- GENERAL INDUSTRIES

ASCO FILTRI

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TECNICAL DATA:

DIFFERENTIAL PRESSURE

Cartridge replacement:

1.03 bar @ 25 °C

Max. allowable:

2.41 bar @ 25 °C

WORKING TEMPERATURE

93 °C

CONSTRUCTION MATERIALS

Coalescing media:

- Fibreglass

- Polyester

Support layers:

- Polyester

Internal drain mesh:

- Polypropylene

Extrenal drain sock:

- Polyester

Hardware:

- Tinned steel

- 304 SS

- 316 SS

Gaskets:

- Buna-n

- EPDM

- Viton

- PTFE

DIMENSIONS

Diameter:

OD 152 ID 89 mm

Length:

40: 1016 mm

FILTERING AREA

40: 4.16 m²

Flow-rate / Delta-P data:

Pressure (bar)	Flow-rate (Nm ³ /h)	
	Min.	Max.
10	4600	7400
20	6450	10150
40	11000	16600

Data are valid at the following conditions.

Fluid: natural gas with specific weight 0.69 kg/Nm³

Liquids: hydrocarbons with specific weight 700 kg/m³

Liquid content: 100 ppmw

Delta-P on dry condition: 0.13 - 0.17 bar

Delta-P on saturated condition: 0.35 - 0.45 bar

Temperature: 15 °C

Specific flow-rate correction factors:

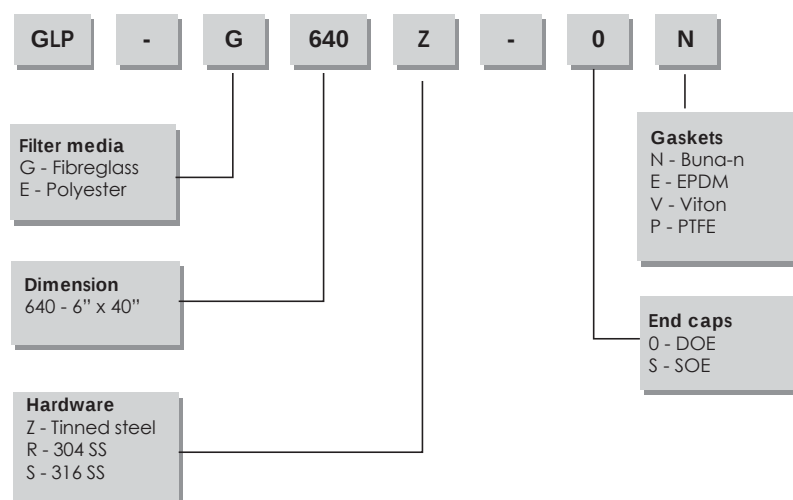
For temperature different than 15 °C multiply the flow-rate by Kt coefficient.

C°	15	25	50	75	100	125	150	175
Kt	1.0	0.90	0.95	0.92	0.88	0.85	0.82	0.8

For specific weight different than 0.69 kg/Nm³ multiply the flow-rate by Ks coefficient.

kg/Nm ³	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3
Ks	1.50	1.30	1.20	1.10	1.0	0.90	0.85	0.80	0.75	0.70

Ordering information:



We reserve the right to change the data of this specification without notice.

ASCO Filtri s.r.l.

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