



on request construction of ACS
certified GE-GEM systems

**ACS certified GE-GEM plants
built by request**



CX 35 CX 70 CX 100

GE 3/70

| | |
|--|------------|
| Manifold material: polished stainless steel int/ext | AISI 304 |
| Manifold material: int/ext polished stainless steel | |
| Maximum pressure | 10 bars |
| Max. pressure | |
| Filter cartridges | AISI 316 L |
| Filter cartridges | 50 µm |

On request:

AISI 316 L manifold
Predisposition for hot water
Systems for higher flow rates
Filtration 150 or 300 µm

On request:

AISI 316 L manifold
Disposition for treatment of hot water
Equipments for higher flow-rates
Filtering degree 150 or 300 µm

| | | GE | 1/35 | 1/70 | 1/100 | 3/35 | 3/70 | 3/100 | 5/70 | 5/100 | 12/70 | 12/100 |
|----------------------------------|---|----|-----------|-----------|------------|-----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Flow rate (m ³ /h) | Max. flow rate (m³/h) | | 16 | 32 | 45 | 50 | 95 | 135 | 160 | 200 | 384 | 480 |
| Cartridges | Cartridges | | 1 CX35 | 1 CX70 | 1 CX100 | 3 CX35 | 3 CX70 | 3 CX100 | 5 CX70 | 5 CX100 | 12 CX70 | 12 CX100 |
| IN/OUT connections | IN/OUT connections | | 2" (M) | 2" (M) | 3" (M) | 3" (M) | 4" (M) | DN 100 PN 10 | DN 150 PN 10 | DN 150 PN 10 | DN 200 PN 10 | DN 250 PN 10 |
| Wheelbase IN/OUT (mm) | IN/OUT centres (mm) | | 380 | 730 | 1020 | 370 | 435 | 480 | 827 | 1095 | 700 | 1000 |

| | | |
|--------------------------|---|----------|
| Material collector: | Manifold material: <i>int/ext</i> | AISI 304 |
| polished stainless steel | polished stainless steel | |
| int/vest | steel | |
| Maximum pressure | Max. pressure | 10 bars |

Industrial cartridge filters Genova series

With the Genova series industrial filters, SITA offers a range of systems capable of satisfying the most specific needs. Stainless steel body, simple construction and the possibility of using filter elements in stainless steel (GE models), polypropylene or other materials (GEM models) make the Genova series filters one of the most complete and versatile ranges on the market. Optional:

- provision for backwashing
- internal anti-corrosion treatment
- modification for the use of E222 OR C3 ϕ 45 cartridges
- use of Tri-Clamp hydraulic connections
- custom sizing

Industrial filters of Genova series With the filters of Genova series, SITA proposes a range of equipments capable of satisfying the most particular exigencies. Stainless steel body, simpleness of construction and possibility of use stainless steel cartridges (GE models), polypropylene or different material (GEM models), make the filters of Genova series one of the most complete and versatile ranges present on the market.

Optional:

- *prearrangement for backwash*
- *internal anti-corrosion treatment*
- *modification for the use of E222 OR C3 cartridges ϕ 45*
- *use of tri-clamp hydraulic connection*
- *customized sizing*



GEM 9/30

APPLICABLE CARTRIDGES:

With through hole
Any degree of filtration Any material
 ϕ ext. max 70 mm ϕ
internal min 22 mm

ON REQUEST

AISI 316 L manifold Internal anti-corrosion treatment Systems for higher flow rates

APPLICABLE CARTRIDGES:

With a passing hole
Any degree of filtration
Any material
Ext. ϕ max. 70 mm
Int. ϕ min. 22mm

ON REQUEST

AISI 316 L manifold Anti-corrosion treatment internally Equipment for higher flow-rates



| | | 3/20 | 3/30 | 3/40 | 7/20 | 7/30 | 7/40 | 9/20 | 9/30 | 9/40 | 13/20 | 13/30 | 13/40 | 17/20 | 17/30 | 17/40 |
|-------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Cartridges | Cartridges | 3 | 3 | 3 | 7 | 7 | 7 | 9 | 9 | 9 | 13 | 13 | 13 | 17 | 17 | 17 |
| | | 20" | 30" | 40" | 20" | 30" | 40" | 20" | 30" | 40" | 20" | 30" | 40" | 20" | 30" | 40" |
| Connections | IN/OUT | 1 1/2" | 1 1/2" | 1 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | 3" | 3" | 3" | DN100 | DN100 | DN100 |
| IN/OUT (M) | Connections (M) | | | | | | | | | | | | | PN10 | PN10 | PN10 |

GEM 222 Food Series *Food series GEM 222*

APPLICABLE CARTRIDGES:

With E222 OR C3 Ø 45 connection Any degree of filtration Any material

APPLICABLE CARTRIDGES:

*With E222 OR C3 Ø 45 connections
Any filtering degree
Any material*

Manifold material: polished stainless steel int/ext
AISI 316 L

Manifold material: int/ext polished stainless steel

Maximum pressure 10 bars

Max. pressure

Use of gaskets suitable for food use

Use of gaskets suitable for use with foodstuffs

Food filters series 222

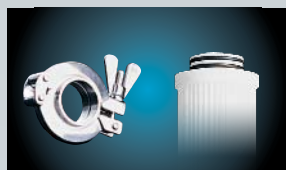
The GEM 222 series produced by SITA is a family of filters particularly suitable for use in the food sector.

The manifold is entirely made of AISI 316L stainless steel while the cartridges are equipped with an E222 OR C3 Ø 45 connection approved for food use; this guarantees the seal by avoiding the stagnation of any liquid thanks to the presence of o-ring gaskets.

The use of TRI-CLAMP fittings, the internal polishing of the manifold and the particular care in the execution of the welds guarantee a product free of indentations which, as is known, are areas of stagnation and bacterial proliferation.

Food filters of 222 series GEM 222 filters are particularly suitable for food uses. The manifold is made by AISI 316L stainless steel while the cartridges, which can be mounted inside, have the E222 OR C3 Ø 45 for food use.

Thanks to the presence of o-rings this one guarantees the seal and avoids the stagnation of every fluid. The use of tri-clamp connections, the internal polishing of the body and the particular care in the manufacturing of the weldings guarantee a product without any coves, which, as it is known, are areas of stagnation and bacterial proliferation.

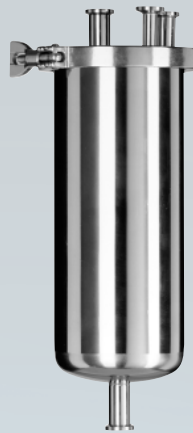


Connection TRI CLAMP
TRI CLAMP Connection

O-RING



GEM 222 7/20



GEM 222 1/10

| | | 222-1 | | 222-3 | | | 222-7 | | |
|--------------|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | 1/10" | 1/20" | 3/20" | 3/30" | 3/40" | 7/20" | 7/30" | 7/40" |
| Cartridges | Cartridges | 1 10" | 1 20" | 3 20" | 3 30" | 3 40" | 7 20" | 7 30" | 7 40" |
| Connections | IN/OUT CLAMP connections | ¾" | | 1 ½" | | | 2" | | |
| IN/OUT CLAMP | | DN19 | | DN38 | | | DN51 | | |

| | |
|--|----------|
| Manifold material: polished stainless steel int/ext | AISI 304 |
| Manifold material: int/ext polished stainless steel | |
| Maximum pressure | 10 bars |
| Max. pressure | |
| Degree of filtration | 800 µm |
| Degree of filtration | |

Industrial basket and bag filters Basket filters (GE/CS models) are made of stainless steel, AISI 304 or AISI 316, with a removable internal basket with a filtration grade of 800 µm. Three different sizes ensure a flow rate range from 30 to 90 m³/h. This type of container is generally used as pre-filtration in the industrial sector to filter process water. A variant of basket filters is represented by bag filters (GE/S models), which are particularly suitable for filtering water with high concentrations of suspended solids. Filter bags are available with different filtration grades.

Industrial basket and bag filters The basket filters (GE/CS models) are constructed in stainless steel AISI 304 or AISI 316, with internal removable basket with 800 µm filtering degree. Three different dimensions ensure a range of flow rate from 30 to 90 m³/h. this type of containers is generally used as pre-filtration in the industrial field to filter process waters. A different version of basket filters is represented by bag filters (GE/S models), which result to be particularly suitable in the filtration of waters with high concentrations of suspended solids. The filtering bags are available with different filtering degrees.



GE/CS 130

| | | 130 | 160 | 230 |
|---------------------------|------------------------------------|-----------|-----------|-----------|
| AISI 316 L basket | AISI 316 L Basket | 1 - Ø 130 | 1 - Ø 160 | 1 - Ø 230 |
| Range (m ³ /h) | Flow rate (m³/h) | 30 | 50 | 90 |
| IN/OUT connections | IN/OUT connections | 2" | 2" | 3" |
| IN/OUT wheelbase (mm) | IN/OUT centres (mm) | 720 | 720 | 760 |