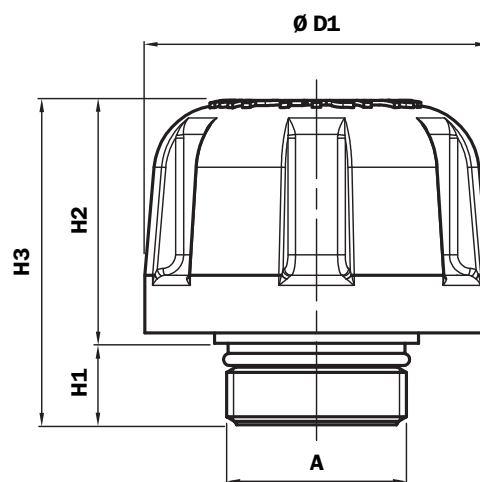
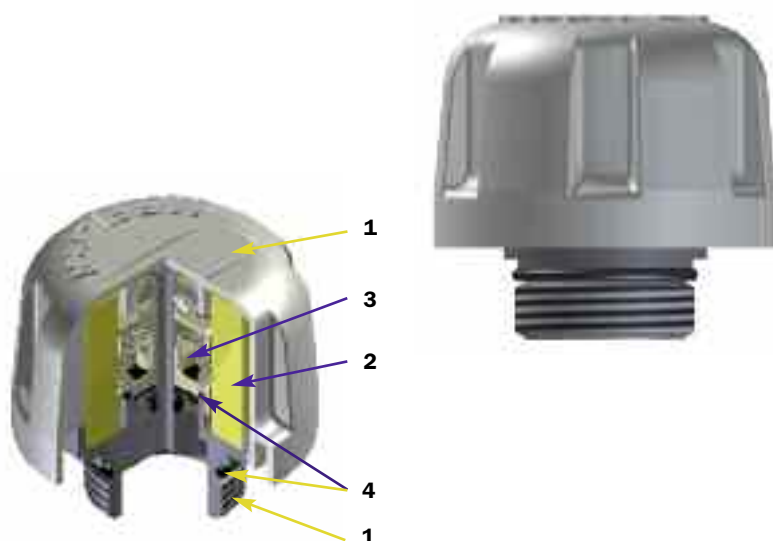


## Dimensions



### SAP050 (Materials)

- 1 - Cover/Connection: Nylon
- 2 - Filter element: Impregnated paper  
Polyurethane
- 3 - Pressurisation: Nylon  
Galvanised steel  
NBR
- 4 - Seal: NBR

Flow rate with  $\Delta p$ : 0,02 bar

Filtration  $I_N/min$   
10  $\mu m$  204

### Weights

SAP 050: 0,040 kg

### Connection to reservoir "A"

#### Type SAP 50

| G1       | G2       | G3       | G4     | G5       |
|----------|----------|----------|--------|----------|
| G 1/4"   | G 3/8"   | G 1/2"   | G 3/4" | 1/4" NPT |
| G6       | G7       | G8       | G9     | G10      |
| 3/8" NPT | 1/2" NPT | 3/4" NPT | SAE 6  | SAE 12   |

### Quantity per pack Number of Parts

|       |    |
|-------|----|
| SAP50 | 10 |
|-------|----|

### Dimensions

| Type SAP | D1   | H1   | H2 | H3 |
|----------|------|------|----|----|
| 50 G1    |      |      |    |    |
| 50 G2    |      |      |    |    |
| 50 G3    |      |      |    |    |
| 50 G4    | 50,5 | 12   | 36 | 48 |
| 50 G5    |      |      |    |    |
| 50 G6    |      |      |    |    |
| 50 G7    |      |      |    |    |
| 50 G8    |      |      |    |    |
| 50 G9    | 50,5 | 14,5 | 35 | 50 |
| 50 G10   |      |      |    |    |

## Ordering information

### Breather filter

SAP

Example: SAP50 G4 L10 A 0 P01

#### 1 - Connection to reservoir

| G1  | G 1/4"   |
|-----|----------|
| G2  | G 3/8"   |
| G3  | G 1/2"   |
| G4  | G 3/4"   |
| G5  | 1/4" NPT |
| G6  | 3/8" NPT |
| G7  | 1/2" NPT |
| G8  | 3/4" NPT |
| G9  | SAE 6    |
| G10 | SAE 12   |

#### 2 - Filter element

| L03 | 3 $\mu m$ - Impregnated paper |
|-----|-------------------------------|
| L10 | 10 $\mu m$ - Polyurethane     |

#### 3 - Seal

| A | NBR |
|---|-----|
|---|-----|

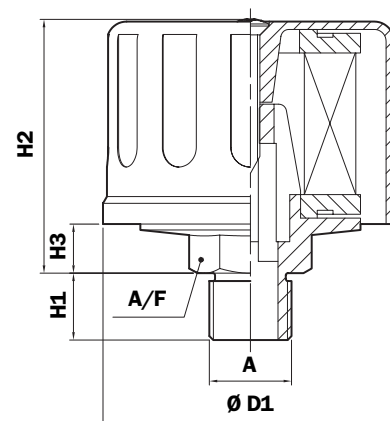
#### 4 - Pressurisation valve

| 0 | Without                                                                                       |
|---|-----------------------------------------------------------------------------------------------|
| 1 | Pressurisation valve<br>0,5 bar<br>Only for connection:<br>G2 - G3 - G4 - G6<br>G7 - G8 - G10 |

#### 5 - Options

| P01 | MP Filtri standard |
|-----|--------------------|
|-----|--------------------|

## Dimensions

**SAP 054 - 075** (Materials)

1 - Cover: Nylon

2 - Connection: Nylon

3 - Filter element: Impregnated paper

**Weights**

SAP 054: 0,060 Kg

SAP 075: 0,150 Kg

**Flow rate with  $\Delta p$ : 0,02 bar****Filtration**  $I_N/min$ **SAP 054**3  $\mu m$  20010  $\mu m$  250**SAP 075**3  $\mu m$  35010  $\mu m$  400**Connection to reservoir "A"**

| Type SAP | G1     | G2     | G3 | G4       | G5       |
|----------|--------|--------|----|----------|----------|
| 054      | G 3/8" | G 1/2" | -  | 1/2" NPT | -        |
| 075      | G 1/2" | G 3/4" | -  | 1/2" NPT | 3/4" NPT |

**Dimensions**

| Type SAP | D1 | H1   | H2 | H3 | A/F (mm) |
|----------|----|------|----|----|----------|
| 054 G1   | 54 | 13,5 | 51 | 8  | 22       |
| 054 G2   |    |      |    |    | 27       |
| 054 G4   |    |      |    |    |          |
| 075 G1   | 75 | 17   | 64 | 9  | 32       |
| 075 G2   |    |      |    |    | 27       |
| 075 G4   |    |      |    |    | 32       |
| 075 G5   |    |      |    |    | 32       |

## Ordering information

**Breather filter****SAP**

Example: SAP

|                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1                        | 2                        | 3                        | 4                        | 5                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 075                      | G4                       | L10                      | A                        | P01                      |

**Filter element**

Example:

|                          |                          |
|--------------------------|--------------------------|
| 1                        | 3                        |
| <input type="checkbox"/> | <input type="checkbox"/> |
| A7                       | L10                      |

**1 - Size**

Filter

|     |
|-----|
| 054 |
| 075 |

Filter element

|    |
|----|
| A4 |
| A7 |

**2 - Connection to reservoir**

|    | SAP 054  | SAP 075  |
|----|----------|----------|
| G1 | G 3/8"   | G 1/2"   |
| G2 | G 1/2"   | G 3/4"   |
| G3 | -        | -        |
| G4 | 1/2" NPT | 1/2" NPT |
| G5 | -        | 3/4" NPT |

**3 - Filter element**

|     |                                |
|-----|--------------------------------|
| L03 | 3 $\mu m$ - Impregnated paper  |
| L10 | 10 $\mu m$ - Impregnated paper |

**4 - Seal**

|   |     |
|---|-----|
| A | NBR |
|---|-----|

**5 - Options**

|     |                    |
|-----|--------------------|
| P01 | MP Filtri standard |
|-----|--------------------|

# Series SAP 115

## Nylon air breather filter

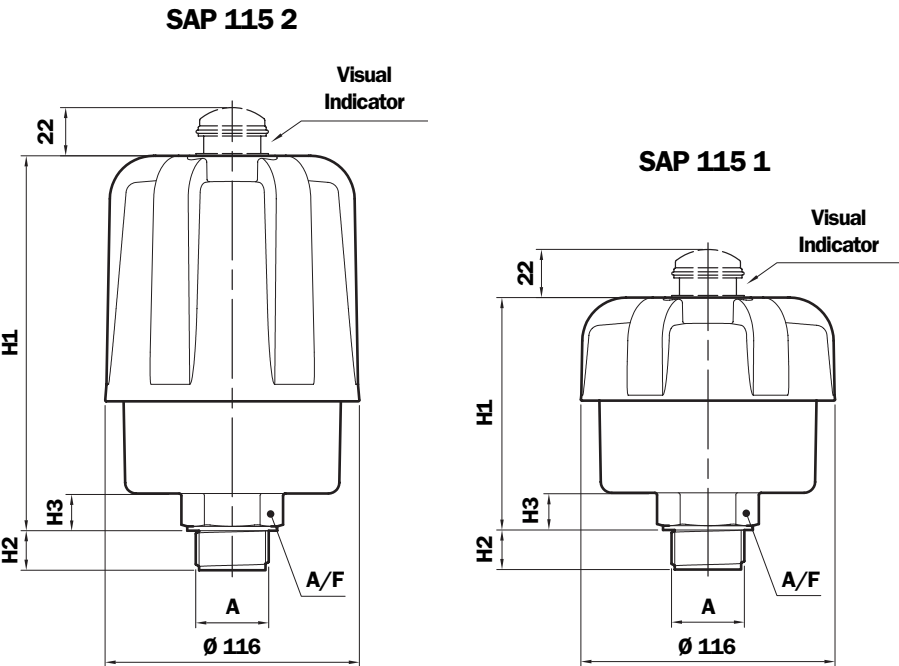


**Clogging indicator**  
**Set pressure: - 0.062 bar ± 10%**  
**Manual reset**

- SAP115 (Materials)**
- 1** - Cover: Nylon
  - 2** - Filter element: Microfibre  
Impregnated paper
  - 3** - Connection: Nylon
  - 4** - Seals: NBR  
FPM

**Weight**  
SAP 115 1: 0,410 Kg  
SAP 115 2: 0,525 Kg

## Dimensions



**SAP 115 1 - Dimension**

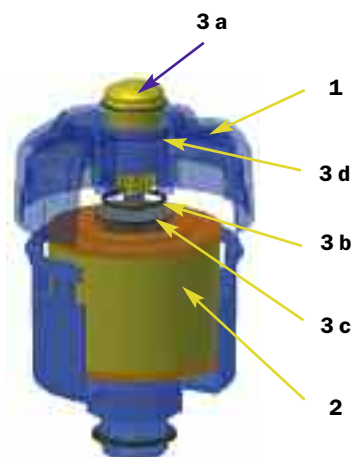
| Connection | A        | A/F | H1  | H2 | H3 |
|------------|----------|-----|-----|----|----|
| A          | G 1"     | 41  | 106 | 18 | 17 |
| B          | M33x2    | 41  | 106 | 18 | 17 |
| C          | G 1 1/2" | 55  | 111 | 23 | 22 |

**SAP 115 2 - Dimension**

| Connection | A        | A/F | H1  | H2 | H3 |
|------------|----------|-----|-----|----|----|
| A          | G 1"     | 41  | 171 | 18 | 17 |
| B          | M33x2    | 41  | 171 | 18 | 17 |
| C          | G 1 1/2" | 55  | 176 | 23 | 22 |

**Flow rate with Δp: 0,02 bar**

| Connection    | Filtration | l <sub>v</sub> /min<br>SAP 115 1 | l <sub>v</sub> /min<br>SAP 115 2 |
|---------------|------------|----------------------------------|----------------------------------|
| G 1"<br>M33x2 | L10        | 2170                             | 2800                             |
|               | A03        | 1830                             | 2800                             |
| G 1 1/2"      | L10        | 2330                             | 3000                             |
|               | A03        | 1995                             | 3000                             |



## TAP SAP 115 spare parts

| Item. | Description              | Q.ty | Filler cap series SAP 115 |                 |
|-------|--------------------------|------|---------------------------|-----------------|
| 1     | Complete filler cap      | 1    | See order table           |                 |
| 2     | Filter Element           | 1    | See order table           |                 |
| 3     | Indicator kit            | 1    | NBR<br>02005187           | FPM<br>02005188 |
| 3a    | Visual indicator         | 1    | S62P01                    |                 |
| 3b    | Seal                     | 1    | O-R 3106 Ø 26,64 X 2,62   |                 |
| 3c    | Indicator securing screw | 1    | 01022670                  |                 |
| 3d    | O-R indicator            | 1    | O-R 2112 Ø 28,3 x 1,78    |                 |

## Changing the filter element in SAP 115 series filler caps

- 1 Thoroughly clean the filler cap and adjacent parts.
- 2 Unscrew and raise the cover.
- 3 Replace the filter element.
- 4 Screw the cover.



## Ordering information

**Breather filter**  
**SAP115**

|                      |                      |                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1                    | 2                    | 3                    | 4                    | 5                    | 6                    | 7                    |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 2                    | A                    | A03                  | A                    | 1                    | B                    | P01                  |

**Example: SAP115**

**Filter element**  
**A115**

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| 1                    | 3                    | 7                    |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 2                    | A03                  | P01                  |

**Example: A115**

### 1 - Length

|                      |
|----------------------|
| <input type="text"/> |
| <input type="text"/> |

### 2 - Connection

|                      |          |
|----------------------|----------|
| <input type="text"/> | G 1"     |
| <input type="text"/> | M33x2    |
| <input type="text"/> | G 1 1/2" |

### 3 - Filter element

|                      |                           |
|----------------------|---------------------------|
| <input type="text"/> | 3 µm - Microfibre         |
| <input type="text"/> | 10 µm - Impregnated paper |

### 4 - Seal

|                      |     |
|----------------------|-----|
| <input type="text"/> | NBR |
| <input type="text"/> | FPM |

### 5 - Variants

|                      |                          |
|----------------------|--------------------------|
| <input type="text"/> | Standard                 |
| <input type="text"/> | With anti-splash feature |

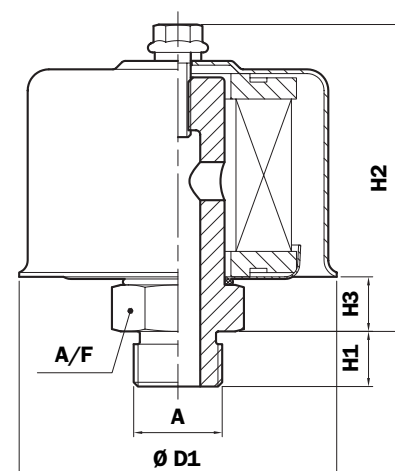
### 6 - Clogging indicator

|                      |                  |
|----------------------|------------------|
| <input type="text"/> | Without          |
| <input type="text"/> | Visual indicator |

### 7 - Options

|                      |                    |
|----------------------|--------------------|
| <input type="text"/> | MP Filtri standard |
|----------------------|--------------------|

### Dimensions



#### SA (Materials)

- 1 - Screw: Galvanised Steel
- 2 - Washer: Teflon
- 3 - Cover: Steel
- 4 - Filter element: Impregnated paper
- 5 - Ring: Galvanised Steel
- 6 - Seal: NBR
- 7 - Connection: Anodised Aluminium  
Galvanised Steel

#### Dimension

| Type   | D1  | H1 | H2   | H3   | A/F (mm) |
|--------|-----|----|------|------|----------|
| 036    | 36  | 13 | 36,5 | 9    | 22       |
| 053    | 53  | 13 | 52,5 | 7    | 22       |
| 075 G1 | 75  | 13 | 68,5 | 11,5 | 27       |
| 075 G2 |     | 17 |      |      | 32       |
| 075 G4 |     | 15 |      |      | 27       |
| 075 G5 |     | 20 |      |      | 32       |
| 115    | 115 | 17 | 80   | 11   | 38       |
| 145    | 145 | 25 | 115  | 13   | 55       |
| 185    | 185 | 25 | 164  | 23   | 80       |

#### Weight

|                  |
|------------------|
| SA 036: 0,080 Kg |
| SA 053: 0,150 Kg |
| SA 075: 0,260 Kg |
| SA 115: 0,400 Kg |
| SA 145: 0,590 Kg |
| SA 185: 1,220 Kg |

#### Flow rate with $\Delta p$ : 0,02 bar

| Type | 3 $\mu m$ | 10 $\mu m$ |
|------|-----------|------------|
|      | $l_N/min$ |            |
| 036  | 140       | 140        |
| 053  | 250       | 250        |
| 075  | 350       | 400        |
| 115  | 800       | 850        |
| 145  | 1800      | 1850       |
| 185  | 2300      | 2500       |

#### Connection to reservoir "A"

| Type | G1       | G2     | G3     | G4         | G5       | G6       |
|------|----------|--------|--------|------------|----------|----------|
| 036  | G 1/4"   | G 3/8" | G 1/2" | 1/4" NPT   | 3/8" NPT | 1/2" NPT |
| 053  | G 1/4"   | G 3/8" | -      | 1/4" NPT   | 3/8" NPT | -        |
| 075  | G 1/2"   | G 3/4" | -      | 1/2" NPT   | 3/4" NPT | -        |
| 115  | G 1"     | -      | -      | 1" NPT     | -        | -        |
| 145  | G 1 1/2" | -      | -      | 1 1/2" NPT | -        | -        |
| 185  | G 2 1/2" | -      | -      | 2 1/2" NPT | -        | -        |

## Ordering information

#### Breather filter

SA

Example: SA

|                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1                        | 2                        | 3                        | 4                        | 5                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 075                      | G4                       | L10                      | A                        | P01                      |

#### Filter element

Example:

|                          |                          |
|--------------------------|--------------------------|
| 1                        | 3                        |
| <input type="checkbox"/> | <input type="checkbox"/> |
| A7                       | L10                      |

#### 1 - Size

| Filter | Filter element |
|--------|----------------|
| 036    | A05            |
| 053    | A5             |
| 075    | A7             |
| 115    | A8             |
| 145    | A10            |
| 185    | A11            |

#### 2 - Connection to reservoir

| Type | G1       | G2     | G3     | G4         | G5       | G6       |
|------|----------|--------|--------|------------|----------|----------|
| 036  | G 1/4"   | G 3/8" | G 1/2" | 1/4" NPT   | 3/8" NPT | 1/2" NPT |
| 053  | G 1/4"   | G 3/8" | -      | 1/4" NPT   | 3/8" NPT | -        |
| 075  | G 1/2"   | G 3/4" | -      | 1/2" NPT   | 3/4" NPT | -        |
| 115  | G 1"     | -      | -      | 1" NPT     | -        | -        |
| 145  | G 1 1/2" | -      | -      | 1 1/2" NPT | -        | -        |
| 185  | G 2 1/2" | -      | -      | 2 1/2" NPT | -        | -        |

#### 3 - Filter element

|     |                                |
|-----|--------------------------------|
| L03 | 3 $\mu m$ - Impregnated paper  |
| L10 | 10 $\mu m$ - Impregnated paper |
| S   | Without                        |

#### 4 - Seal

|   |     |
|---|-----|
| A | NBR |
|---|-----|

#### 5 - Options

|     |                    |
|-----|--------------------|
| P01 | MP Filtri standard |
|-----|--------------------|

Flow rate with  $\Delta p$ : 0,02 bar



SCS XXX C

| Type    | Filtration l <sub>N</sub> /min |      |
|---------|--------------------------------|------|
| SCS 050 | P10                            | 550  |
|         | A03                            | 515  |
|         | A10                            | 530  |
| SCS 070 | P10                            | 550  |
|         | A03                            | 515  |
|         | A10                            | 530  |
| SCS 100 | P10                            | 1415 |
|         | A03                            | 1300 |
|         | A10                            | 1330 |
| SCS 150 | P10                            | 1415 |
|         | A03                            | 1300 |
|         | A10                            | 1330 |



SCS XXX F

### SCS (Materials)

Riser: Galvanised Steel

### Weight

SCS050...G1: 0,200 Kg

SCS050...G2: 0,265 Kg

SCS100...G1: 0,450 Kg

SCS100...G2: 0,645 Kg

### Weight

CS/CG050: 0,73 Kg

CS/CG070: 0,95 Kg

CS100: 1,3 Kg

CS150: 1,6 Kg

CG100: 1,3 Kg

CG150: 1,6 Kg

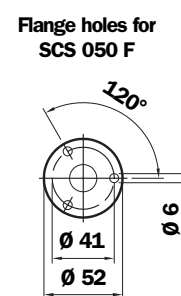
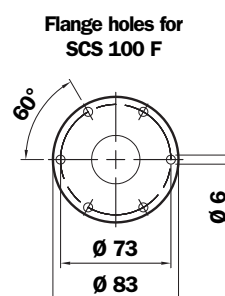
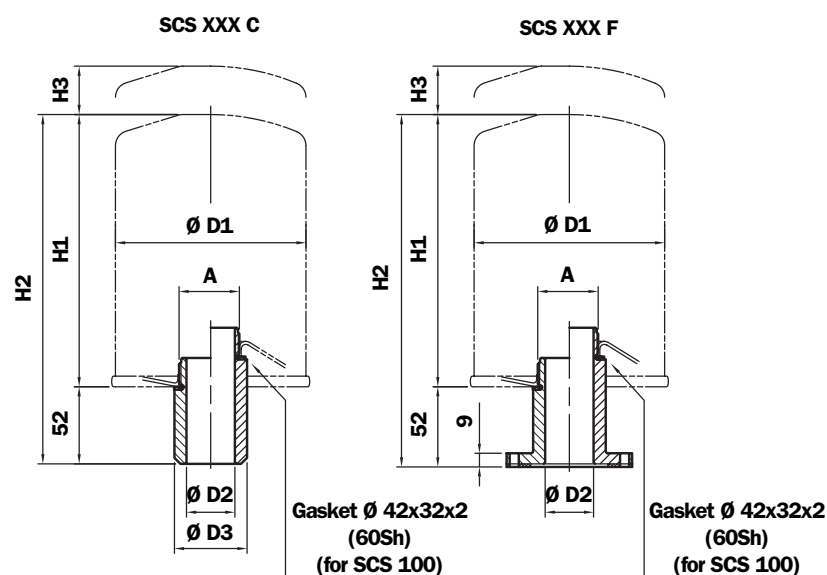
### Dimensions SCS - CS - CG

| Type     | D1  | H1  | H2  | H3 |
|----------|-----|-----|-----|----|
| CS/CG050 | 96  | 143 | 195 | 20 |
| CS/CG070 | 96  | 210 | 262 | 20 |
| CS100    | 129 | 180 | 232 | 25 |
| CS150    | 129 | 220 | 272 | 25 |
| CG100    | 129 | 180 | 232 | 30 |
| CG150    | 129 | 265 | 317 | 30 |

### SCS Riser dimensions

| Type        | A            | D2 | D3 |
|-------------|--------------|----|----|
| SCS050...G1 | G 3/4"       | 18 | 32 |
| SCS050...G2 | 1" 12 UN     | 18 | 32 |
| SCS100...G1 | G 1 1/4"     | 32 | 48 |
| SCS100...G2 | 1 1/2" 16 UN | 32 | 48 |

## Dimensions



# Ordering information

|                        |                          |                          |                          |                          |                          |                          |
|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>Breather filter</b> | 2                        | 3                        | 4                        | 5                        | 6                        | 7                        |
| <b>SCS</b>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Example: SCS</b>    | <b>050</b>               | <b>F</b>                 | <b>G1</b>                | <b>A10</b>               | <b>A</b>                 | <b>P01</b>               |

|                     |                          |                          |                          |                          |                          |
|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>Riser only</b>   | 2                        | 3                        | 4                        | 6                        | 7                        |
| <b>SCS</b>          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Example: SCS</b> | <b>050</b>               | <b>F</b>                 | <b>G1</b>                | <b>A</b>                 | <b>P01</b>               |

|                       |           |            |            |          |            |
|-----------------------|-----------|------------|------------|----------|------------|
| <b>Filter element</b> | 1         | 2          | 5          | 6        | 7          |
| <b>Example:</b>       | <b>CS</b> | <b>050</b> | <b>A10</b> | <b>A</b> | <b>P01</b> |

## 1 - Filter element type

|           |                                   |
|-----------|-----------------------------------|
| <b>CS</b> | Connection ISO 228 for SCS.....G1 |
| <b>CG</b> | Connection A.S.A. for SCS.....G2  |

## 2 - Size

|            |                         |
|------------|-------------------------|
| <b>050</b> |                         |
| <b>070</b> | Riser assembly excluded |
| <b>100</b> |                         |
| <b>150</b> | Riser assembly excluded |

## 3 - Connection to reservoir

|          |              |
|----------|--------------|
| <b>C</b> | Weld riser   |
| <b>F</b> | Flange riser |

## 4 - Threaded connection

|           |                                                    |
|-----------|----------------------------------------------------|
| <b>G1</b> | G 3/4" for SCS 050/070<br>G 1 1/4" for SCS 100/150 |
|-----------|----------------------------------------------------|

G1 with filter elements series CS

|           |                                                    |
|-----------|----------------------------------------------------|
| <b>G2</b> | G 3/4" for SCS 050/070<br>G 1 1/4" for SCS 100/150 |
|-----------|----------------------------------------------------|

G2 with filter elements series CG

## 5 - Filter element

|            |                           |
|------------|---------------------------|
| <b>A03</b> | 3 µm - Microfibre         |
| <b>A10</b> | 10 µm - Microfibre        |
| <b>P10</b> | 10 µm - Impregnated paper |

## 6 - Seal

|          |     |
|----------|-----|
| <b>A</b> | NBR |
| <b>V</b> | FPM |

## 7 - Options

|            |                    |
|------------|--------------------|
| <b>P01</b> | MP Filtri standard |
|------------|--------------------|