## DESCRIPTION

# *52F*

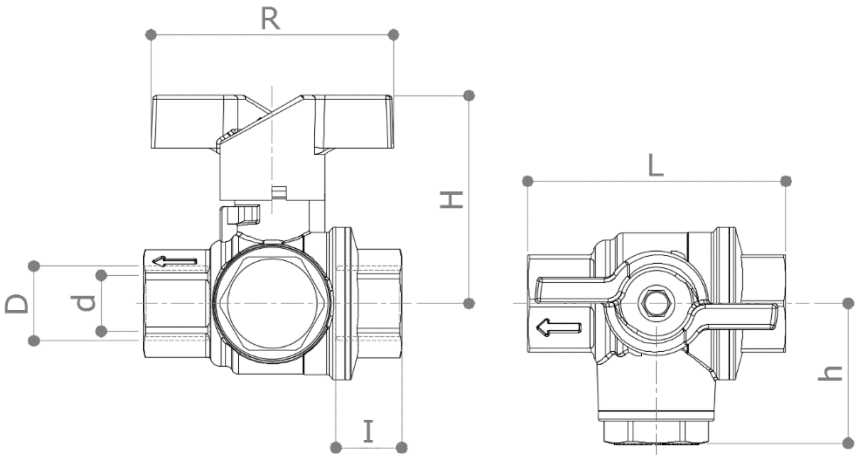
F x F heavy duty ballvalve **Filterball®** with integrated strainer FM28. Very easy to inspect and maintain.

Blue or red (**52FROS**) butterfly handle.

Made in DZR alloy.

Conform to **EN 13828** standard

## DIMENSIONS




| D | ½" | ¾" | 1" |
|---|---|---|---|
| d | 18 | 20 | 28.5 |
| H | 54 | 54 | 69.5 |
| h | 37 | 37 | 51 |
| I | 15 | 16 | 21.5 |
| L | 69 | 69 | 95 |
| R | 65 | 65 | 75 |
| Weight [g] | 410 | 425 | 1110 |

Dimensions in **mm**

All threads are conform to ISO 7 or ISO 228 standards

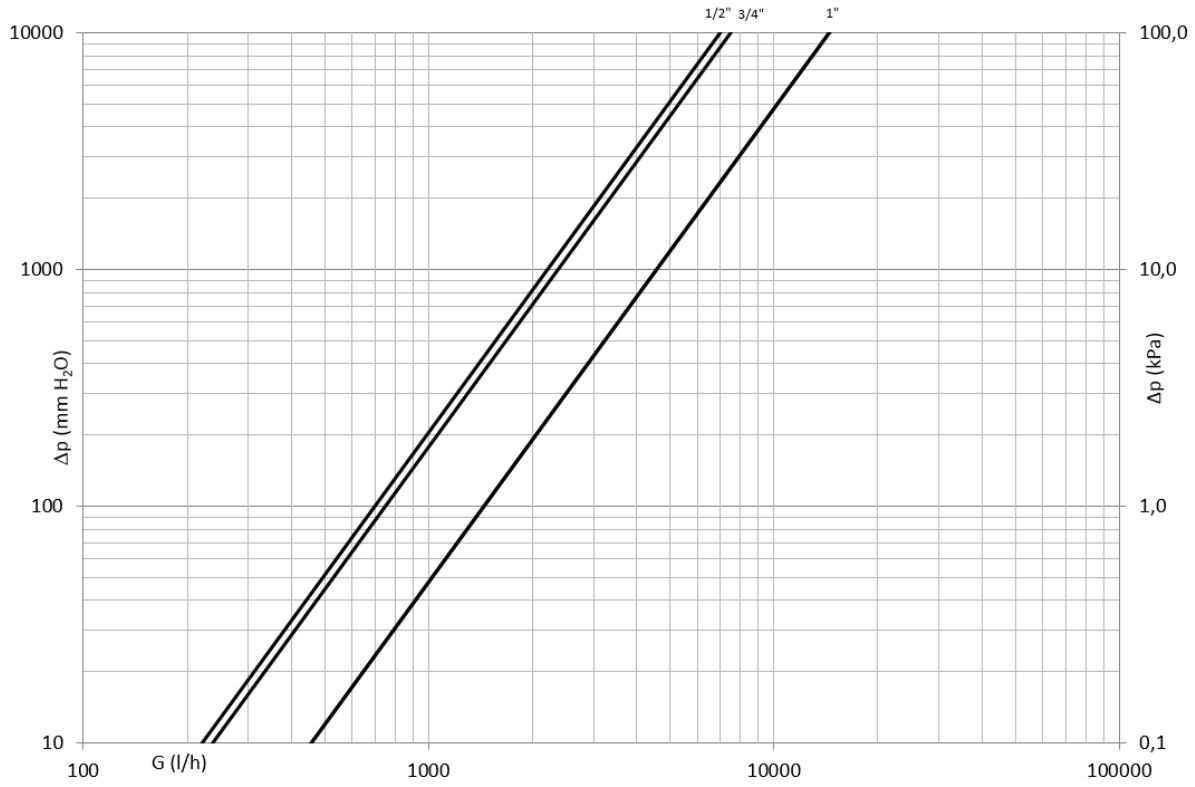
## MATERIALS

| | |
|---|---|
| ***Body*** | CW602N (EN 12167) CuZn36Pb2As |
| ***Ball*** | CW602N (EN 12167) CuZn36Pb2As Chrome plated |
| ***Stem*** | CW602N (EN 12167) CuZn36Pb2As |
| ***Stuffing box*** | CW614N (EN 12164) CuZn39Pb3 Adjustable |
| ***Strainer*** | Stainless steel |
| ***Seeger*** | Phosphoric bronze |
| ***Seat*** | 2 x PTFE + 1 x PTFE on the stem |
| ***O-Rings*** | 2 x FKM |
| ***Handle*** | Painted aluminum |

## APPROVALS

STE0137 rev.01 17/05/2016

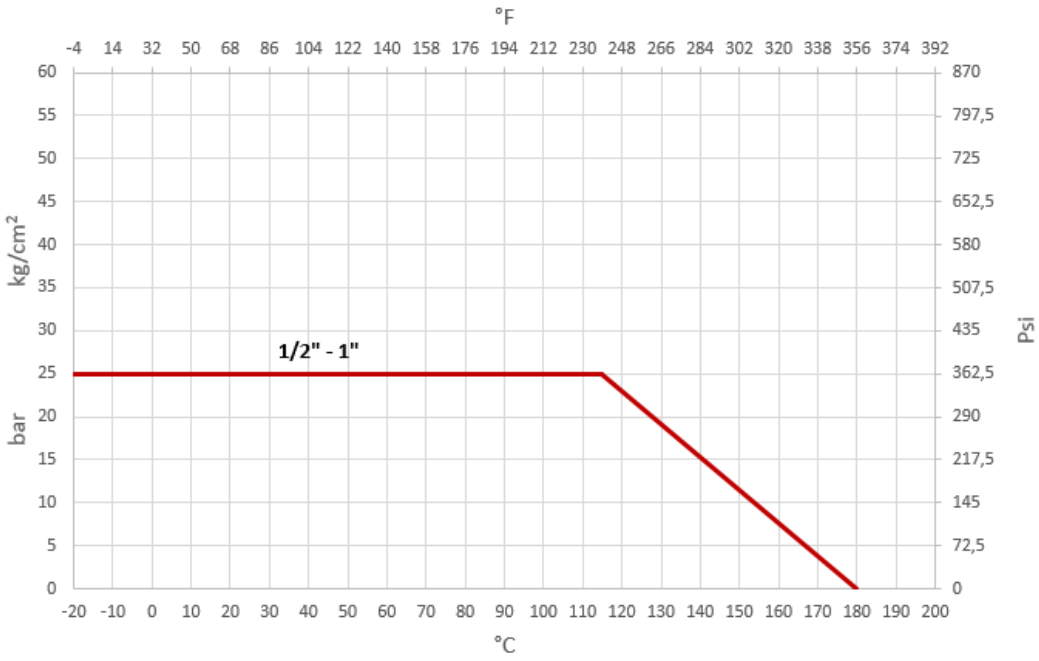
## PRESSURE DROP DIAGRAM




| Dim. | ½" | ¾" | 1" |
|---|---|---|---|
| Kv | 7 | 7.5 | 14.5 |
| PN | 25 | 25 | 25 |

Kv values got by using FM28 strainer.

## TEMPERATURE / PRESSURE DIAGRAM




## RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS

16 bar – 100°C – non shock

10 bar – 150°C – non shock

Max differential pressure: 10 bar



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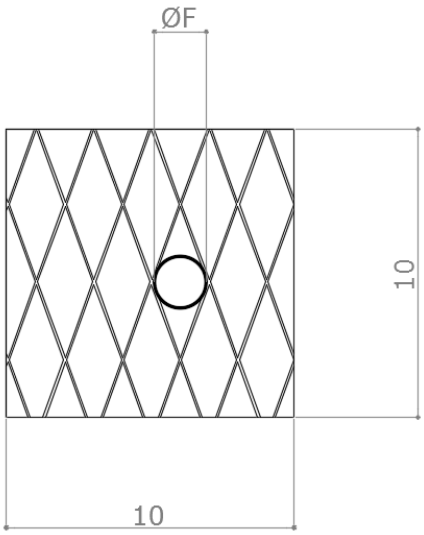
## AVAILABLE STRAINERS

Here the table with all the available strainers:

| Type | Mesh per linear 1” | Filtering capacity | Casing |
|---|---|---|---|
| **FM020**<br>**FM020N*** | 20 | Ø 800 µm (0,8 mm) | Single |
| **FM028**<br>**FM028N*** | 28 | Ø 700 µm (0,7 mm) | Single |
| **FM040**<br>**FM040N*** | 40 | Ø 300 µm (0,3 mm) | Single |
| **FM060**<br>**FM060N*** | 60 | Ø 230 µm (0,23 mm) | Double |
| **FM080**<br>**FM080N*** | 80 | Ø 180 µm (0,18 mm) | Double |
| **FM100**<br>**FM100N*** | 100 | Ø 150 µm (0,15 mm) | Double |

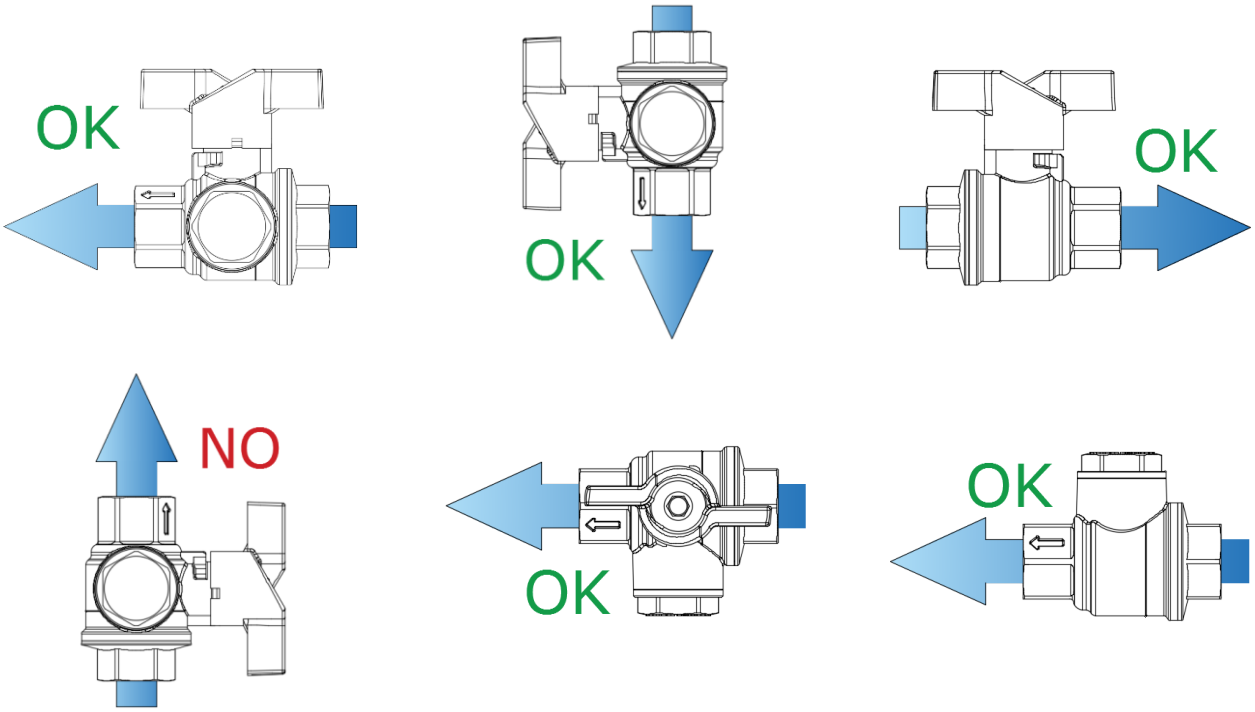



### Pressure loss – Kv values

| Type | ½” | ¾” | 1” |
|---|---|---|---|
| **FM020**<br>**FM020N*** | 7.4 | 7.8 | 15.3 |
| **FM028**<br>**FM028N*** | 7 | 7.5 | 14.5 |
| **FM040**<br>**FM040N*** | 5.2 | 5.4 | 12.1 |
| **FM060**<br>**FM060N*** | 4.4 | 4.6 | 11.4 |
| **FM080**<br>**FM080N*** | 4.8 | 5 | 11.4 |
| **FM100**<br>**FM100N*** | 4.4 | 4.6 | 9 |

* Compatible with Filterball **52F** ½” – ¾” starting from production batch 1237

## INSTALLATION



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**MAINTENANCE**

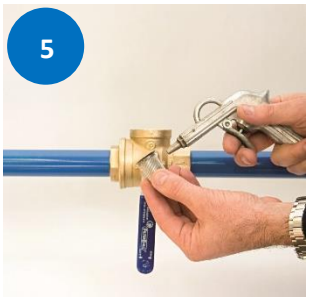
In order to avoid an increasing of pressure losses due to scales, a yearly strainer cleaning is suggested. Please follow the instruction below to carry out the strainer maintenance:


- Close the valve

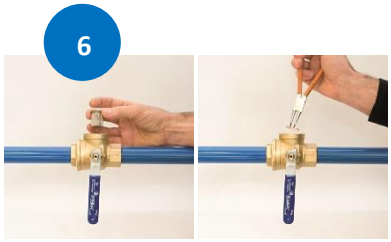

- Unscrew the inspection cap


- Remove the Seeger ring

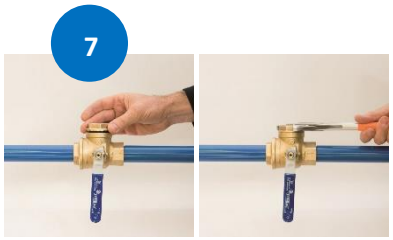

- Take the strainer out



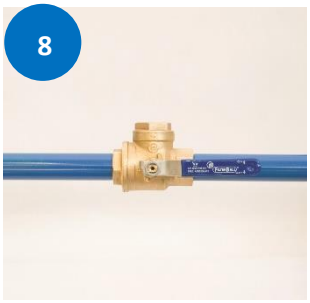

- Clean or change the strainer




- Insert the strainer and lock it with Seeger ring




- Screw and close the cap




- Open the valve



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