



**technische import**

# Productinformatie



FRATELLI PETTINAROLI

**BAFA.NL**



## DESCRIPTION

# 51F

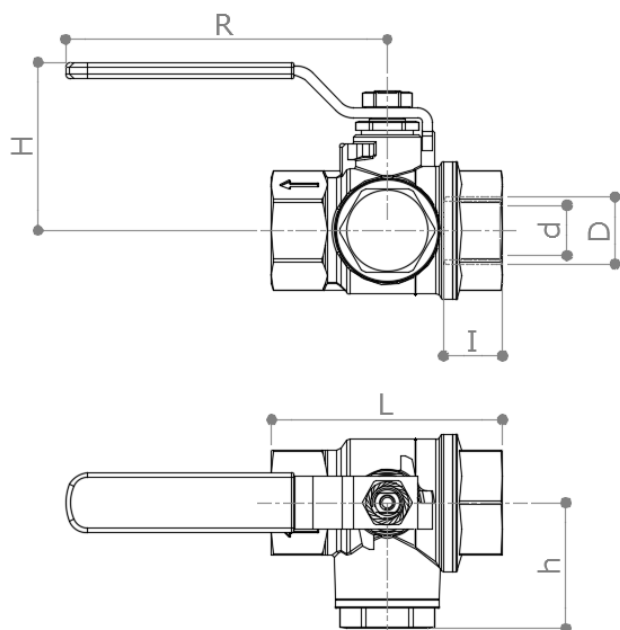
F x F heavy duty ball valve **Filterball®** with integrated strainer FM28. Very easy to inspect and maintain.

Reversible blue steel handle.

Made in DZR alloy.

Conform to **EN 13828** standard

## DIMENSIONS



D	½"	¾"	1"	1 ¼"	1 ½"	2"
d	18	20	28.5	35.5	45	56
H	50	50	66	82	89	120
h	37	37	51	60	74	90
I	15	16	21.5	23.5	23.5	28
L	69	69	95	111	127	154
R	95	95	120	150	150	200
<b>Weight [g]</b>	435	445	1145	1900	2800	5390

Dimensions in **mm**

All threads are conform to ISO 7 or ISO 228 standards

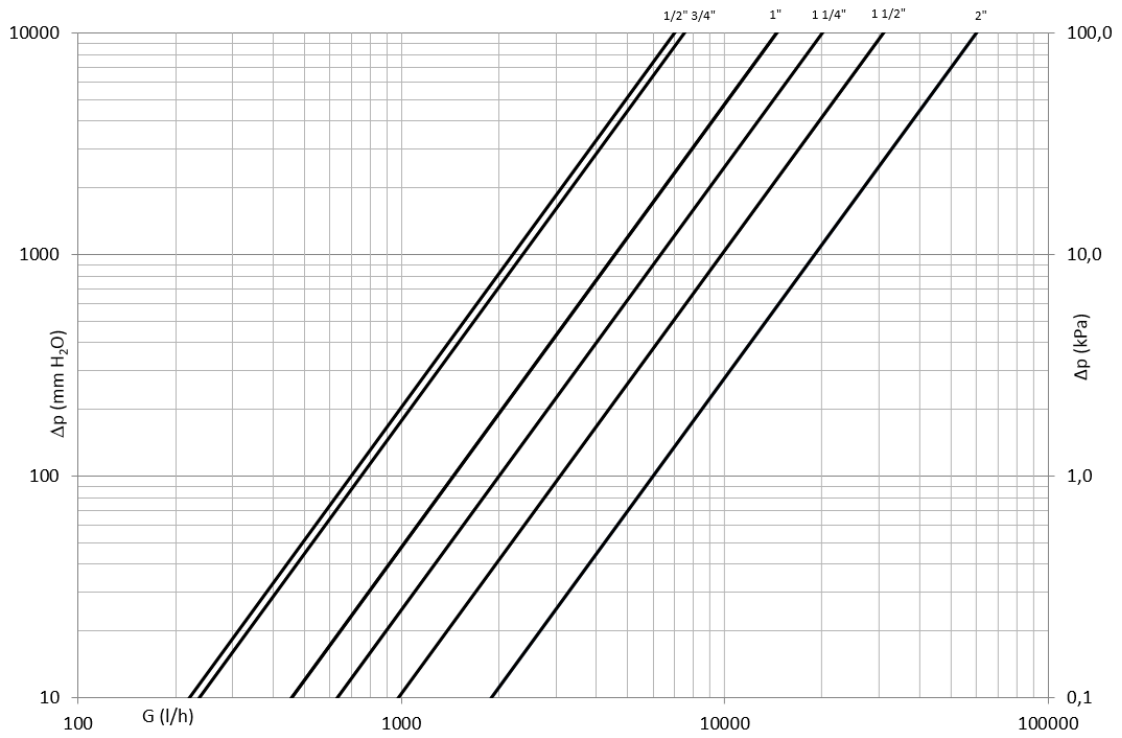
## MATERIALS

<b>Body</b>	CW602N (EN 12167) CuZn36Pb2As
<b>Ball</b>	CW602N (EN 12167) CuZn36Pb2As Chrome plated
<b>Stem</b>	CW602N (EN 12167) CuZn36Pb2As
<b>Stuffing box</b>	CW614N (EN 12164) CuZn39Pb3 Adjustable
<b>Strainer</b>	Stainless steel
<b>Seeger</b>	Phosphoric bronze
<b>Seat</b>	2 x PTFE + 1 x PTFE on the stem
<b>O-Rings</b>	2 x FKM
<b>Handle</b>	Delta Protect coated steel. PVC grip with "Pad printing"

## APPROVALS



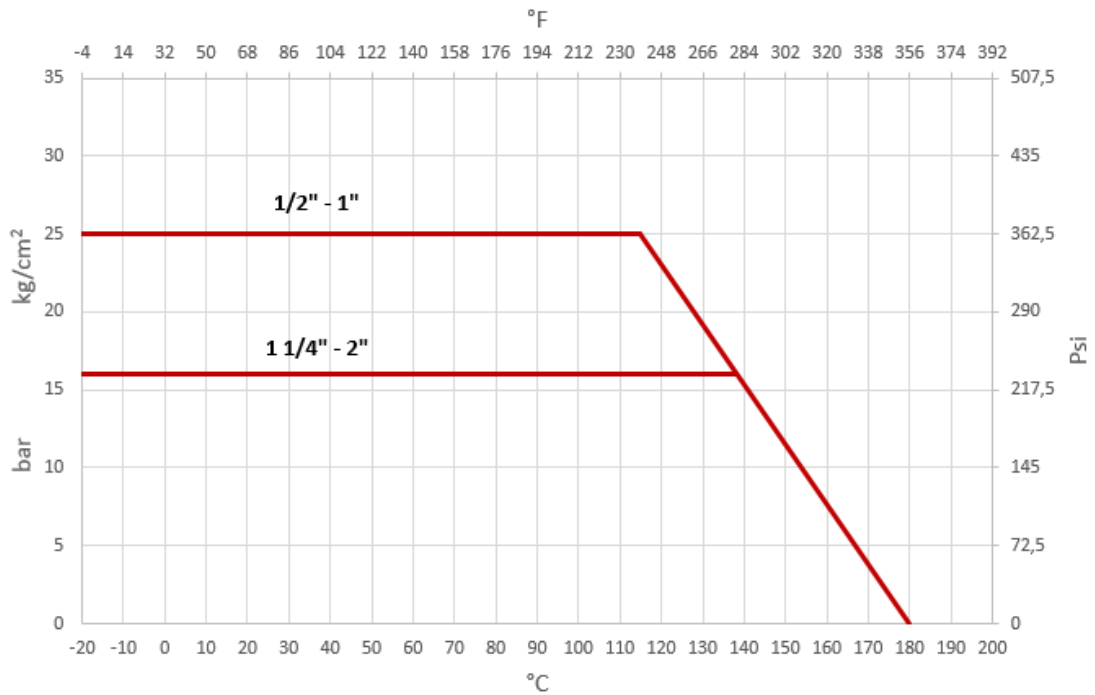
**PRESSURE DROP DIAGRAM**



Dim.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Kv	7	7.5	14.5	20	31	60
PN	25	25	25	16	16	16

Kv values got by using FM28 strainer.

**TEMPERATURE / PRESSURE DIAGRAM**



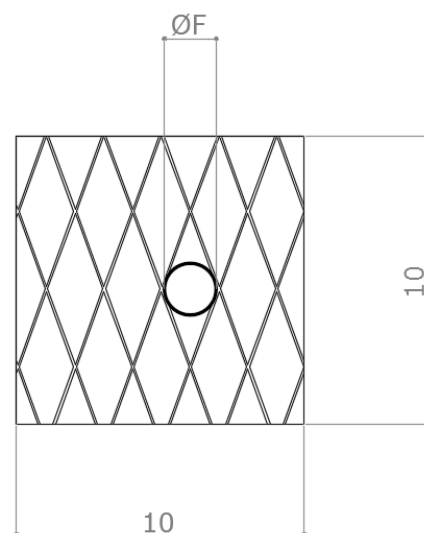
**RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS**

- 16 bar – 100°C – non shock
- 10 bar – 150°C – non shock
- Max differential pressure: 10 bar

## AVAILABLE STRAINERS

Here the table with all the available strainers:

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

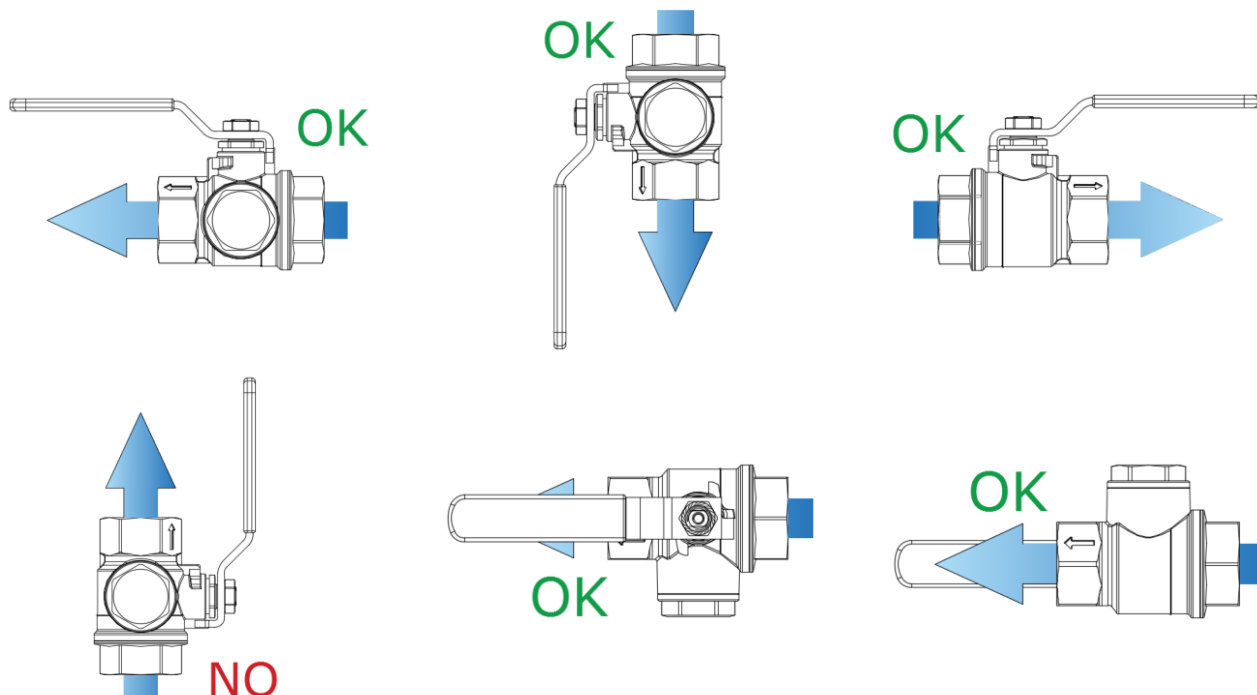


### Pressure loss – Kv values

Type	½"	¾"	1"	1 ¼"	1 ½"	2"
FM020 FM020N*	7.4	7.8	15.3	21	33	64
FM028 FM028N*	7	7.5	14.5	20	31	60
FM040 FM040N*	5.2	5.4	12.1	18.6	28	45
FM060 FM060N*	4.4	4.6	11.4	18	27	40
FM080 FM080N*	4.8	5	11.4	18	25.5	44
FM100 FM100N*	4.4	4.6	9	17.7	25	43

\* Compatible with Filterball 51F ½" – ¾" starting from production batch 1237

## INSTALLATION

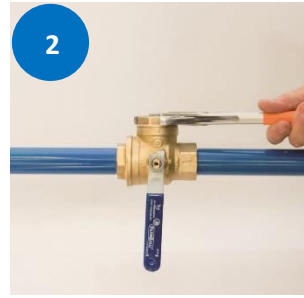


## MAINTENANCE

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



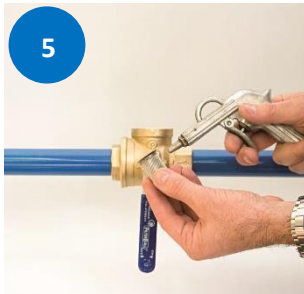
- Unscrew the inspection cap



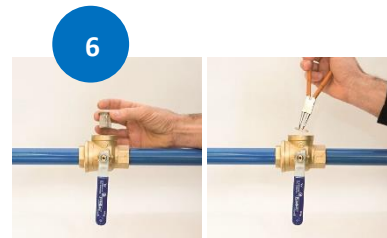
- Remove the Seeger ring



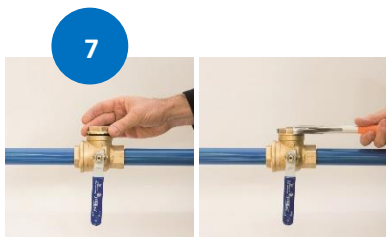
- Take the strainer out



- 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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