



Braukmann FF40/FF20

DUPLEX water filter with activated carbon cartridge,
SIMPLEX water filter, or activated carbon filter

APPLICATION

The DUPLEX water filter combines two different filter cartridges in one housing. The polypropylene fine filter holds back undissolved matter. Activated carbon removes dissolved organic material and chlorine.

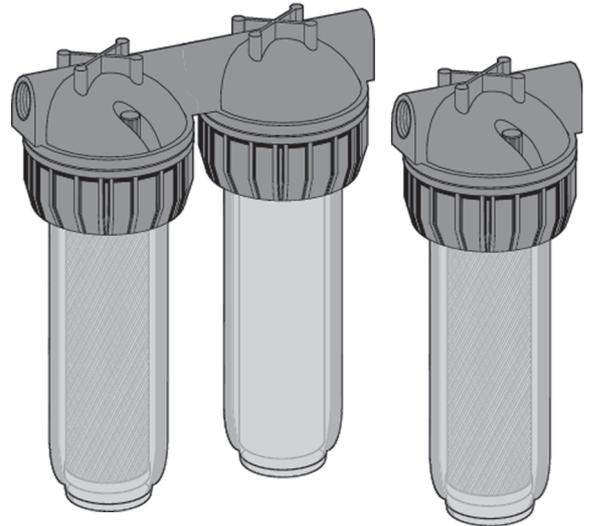
In applications where only one filter type is needed a SIMPLEX filter with the selected filter cartridge can be used. The filters ensure a continuous supply of filtered water.

The fine filter prevents the ingress of particulates, for example rust particles, strands of hemp and grains of sand and thus reduces the probability of corrosion.

The filters can be applied to rain water treatment within the range of their specifications.

SPECIAL FEATURES

- Large filter surface
- Filter insert fully interchangeable
- Very simple operation
- Reliable, tried and tested



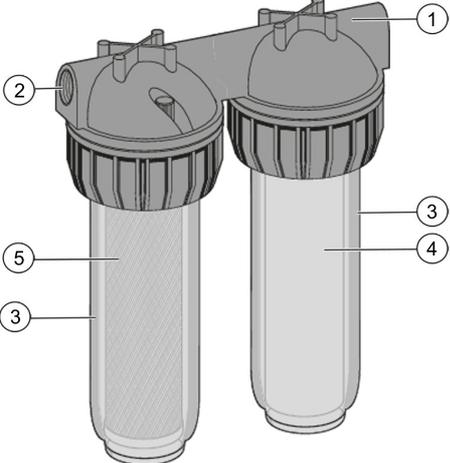
FF40

FF20

TECHNICAL DATA

Media	
Medium:	Water
Connections/Sizes	
Connection sizes:	$\frac{3}{4}$ " female, 1" male with $\frac{3}{4}$ " - 1" adapter
Pressure values	
Max. operating pressure:	6 bar
Operating temperatures	
Max. operating temperature medium:	45 °C
Specifications	
Installation position:	Horizontal with filter bowl downwards

CONSTRUCTION

Overview	Components	Materials
	1 Duplex or Simplex housing, wall bracket, wall bracket screws	Reinforced polypropylene
	2 3/4" female thread	Brass
	3 Clear filter bowls	Clear synthetic
	4 Activated Carbon insert	Granular activated carbon
	5 Fine filter 25 µm	Polypropylene
Not depicted components:		
	3/4" - 1" male adapter	Brass
	Activated Carbon insert	-
	Head and ring nut	Reinforced polypropylene
	O-rings	EPDM
	Ring wrench for filter bowl	-

METHOD OF OPERATION

Water flows through the filter mesh from outside to inside and this traps dirt particles on the outer face of the filter. For reasons of hygiene, the filter insert must be replaced at no longer than six monthly intervals.

Activated Carbon cartridge filters out fine particles, eliminates of unpleasant odours and flavours caused by chlorine or other organic substances, removes of pesticides, insecticides, chlorinate solvents.

Average life-span of activated carbon cartridges: about 6 months.

TRANSPORTATION AND STORAGE

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

Parameter	Value
Environment:	clean, dry and dust free
Min. ambient temperature:	5 °C
Max. ambient temperature:	55 °C
Min. ambient relative humidity:	25 % *
Max. ambient relative humidity:	85 % *

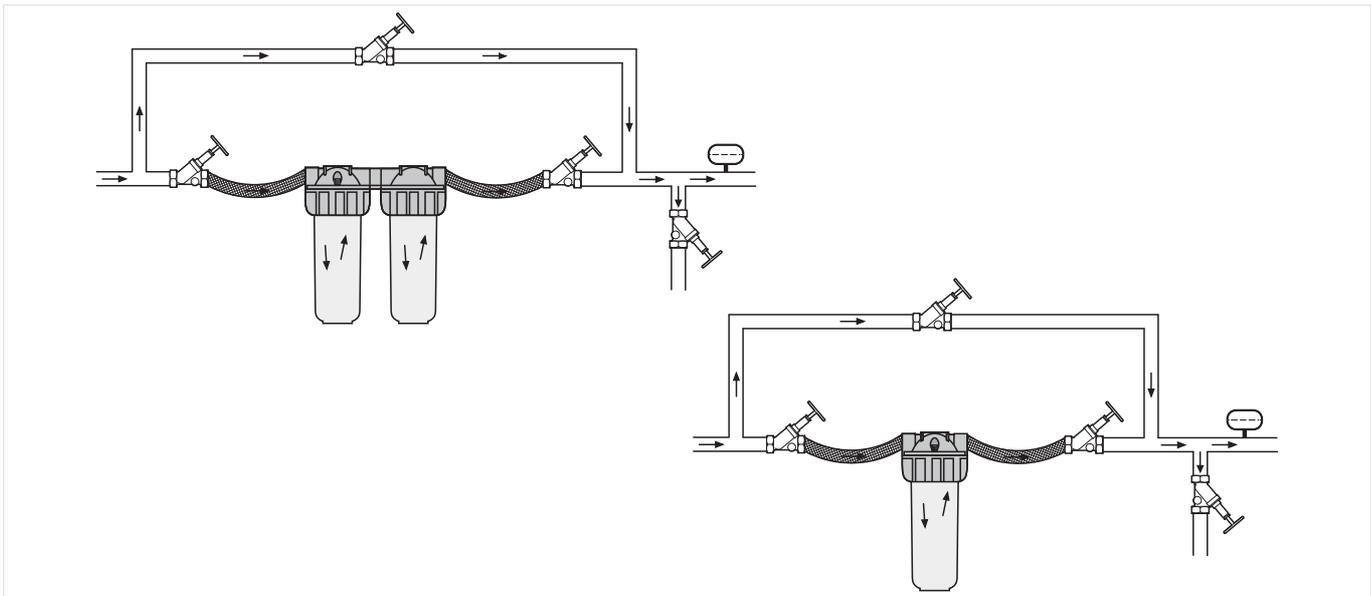
*non condensing

INSTALLATION GUIDELINES

Setup requirements

- Install in horizontal pipework with filter bowl downwards
 - This position ensures optimum filter efficiency
- Install shut-off valves before and after the filter
- Ensure good access
 - Degree of contamination can be easily seen with clear filter bowl
 - Simplifies maintenance and inspection
- The installation location should be protected against frost
- Do not install in places where there is strong sunlight
- In order to avoid flooding, it is recommended to arrange a permanent, professionally dimensioned wastewater connection
- These filters are armatures which need to be maintained regularly

Installation Example



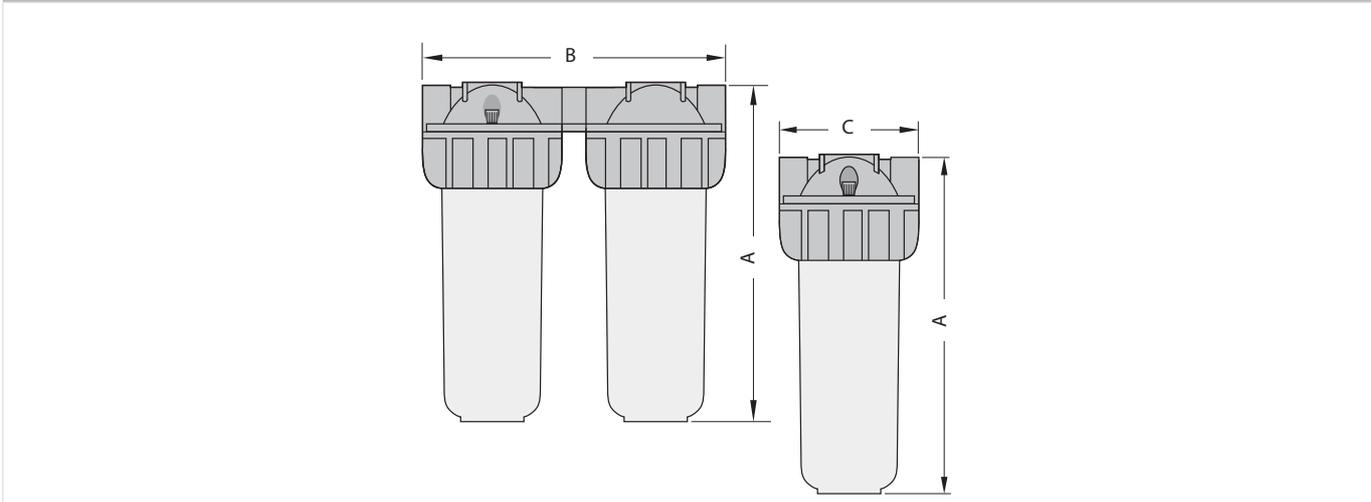
TECHNICAL CHARACTERISTICS

kvs-Values

Connection sizes:	Duplex FF40	Simplex FF20-MF Simplex FF20-AC
k _{VS} -value (m ³ /h):	1.4	6.0 FF20-MF 1.4 FF20-AC

DIMENSIONS

Overview



Parameter	Values		
		Duplex FF40	Simplex FF20-MF Simplex FF20-AC
Connection sizes:	R	³ / ₄ " female, 1" male with 1" - ³ / ₄ " adapter	
Weight:	kg	0.7	1.0
Dimensions:	A	320	320
	B	275	-
	C	-	133
Flow value at Δp=0.2 bar:	m ³ /h	0.4	2.5 FF20-MF 0.4 FF20-AC

Note: All dimensions in mm unless stated otherwise.

ORDERING INFORMATION

The following tables contain all the information you need to make an order of an item of your choice. When ordering, please always state the type, the ordering or the part number.

Options

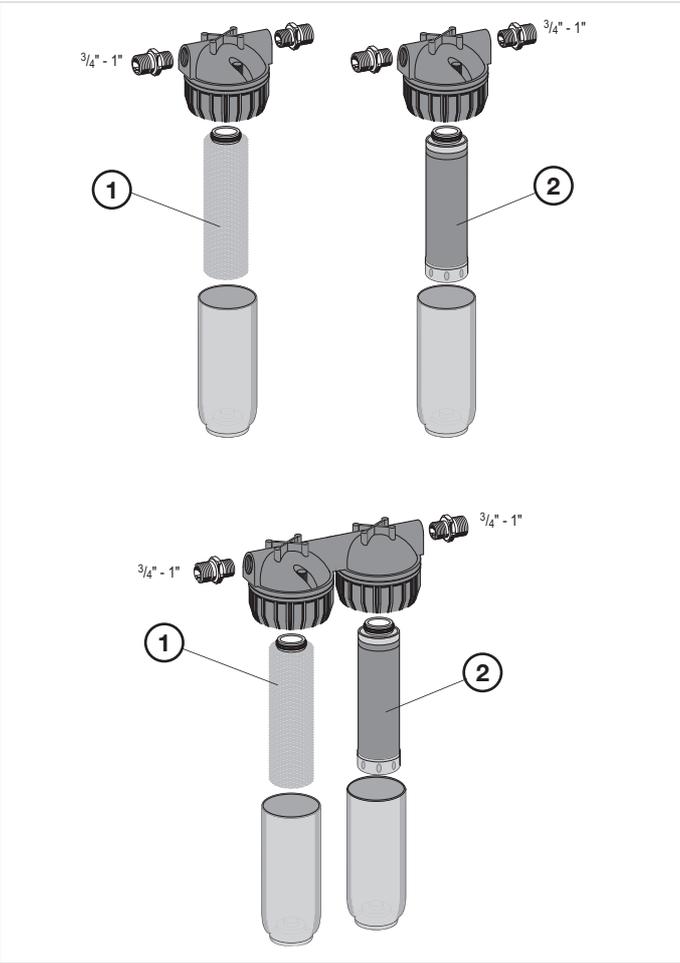
The filters are available in the following sizes: 3/4" and 1".

- standard
- not available

		FF40	FF20-MF	FF20-AC
Connection type:	Duplex water filter: mesh size 25 µm combined with activated carbon	•	-	-
	Simplex water filter: mesh size 25 µm	-	•	-
	Simplex activated carbon	-	-	•

Spare Parts

FF40/FF20 Fine filters, from 2008 onwards

Overview	Description	Dimension	Part No.
	1 Replacement fine filter cartridge 25 µm		
	25 µm	Cartridge Height 10"	FF20-DMF
	2 Replacement active carbon cartridge		
		Cartridge Height 10"	FF20-GAC



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