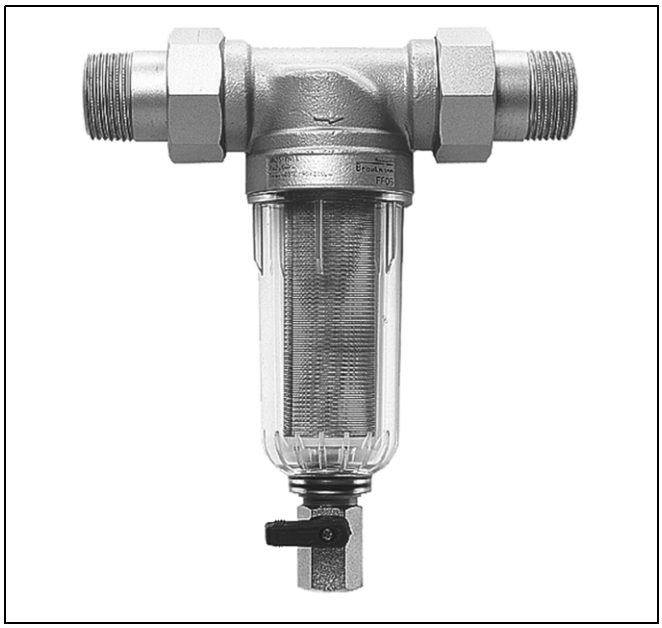
Honeywell

Braukmann
FF06 Rinseable Fine Filter

PRODUCT DATA



APPLICATION

The FF06 Rinseable Fine Filter ensures a continuous supply of filtered water. The fine filter stops the flow of particulates, such as rust particles and grains of sand. Sediment collected at the bottom of the bowl can simply be removed by flushing with the turn of a knob. This compact filter was designed to fit where the space is limited.

FEATURES

- **Easy installation.**
- **Same installed dimensions as F74C for easy future upgrade to a backwashable filter.**
- **Continuous supply of filtered water, even during rinse cycle.**
- **Shock resistant clear synthetic material filter bowl enables easy inspection for filter contamination.**
- **Stainless steel filter element.**
- **Filter bowl and sleeve are easily exchanged.**
- **Shipped with threaded and sweat union connections and service wrench.**

Contents

62-3060

SPECIFICATIONS

IMPORTANT

The specifications given in this publication do not include normal manufacturing tolerances. Therefore, units may not exactly match the listed specifications. Also, products are tested and calibrated under closely controlled conditions, and some minor differences in performance can be expected if those conditions are changed.

Models:
Water Filters with 100 micron screens.
FF06A1013: 3/4 in. sweat and NPT threaded tailpieces.
FF06A1021: 1 in. sweat and NPT threaded tailpieces.

Dimensions: See Fig. 1 and Table 1.

Weight: See Table 1.

Materials of Construction:
Body: Dezincification-resistant (DZR) pressed brass.
Screen: Stainless steel, 100 micron (approximately 175 mesh size).
Internal Construction: Acetal copolymer.
Seals: NBR.
Ball Valve: Plated brass with PTFE seals.
Sump: Clear plastic.

Temperature Rating: 104°F (40°C) maximum.

Pressure Rating:
230 psi (16 bar).

Pressure drop: Maximum recommended 3 psi to 7 psi with clean screen. See Table 2 and Fig. 2.

Connections: Union on inlet and outlet (external NPT and sweat unions included).

Spare Parts(See page 5 for details):
AS06-1A Replacement filter mesh (package of 5).
KF06-1A Replacement sump and filter insert assembly for FF06 3/4 in. and 1 in.
0901499 O-ring for sump (package of 10).
0903128 O-ring for mesh carrier (package of 10).
ZR06F Service Wrench.
U76S5015 3/4 in. sweat tailpiece.
U76S5023 1 in. sweat tailpiece.
U76T1014 3/4 in. NPT tailpiece.
U76T1022 1 in. NPT tailpiece.
0901444 Union gasket for 3/4 in. FF06 (package of 10).
0901445 Union gasket for 1 in. FF06 (package of 10).

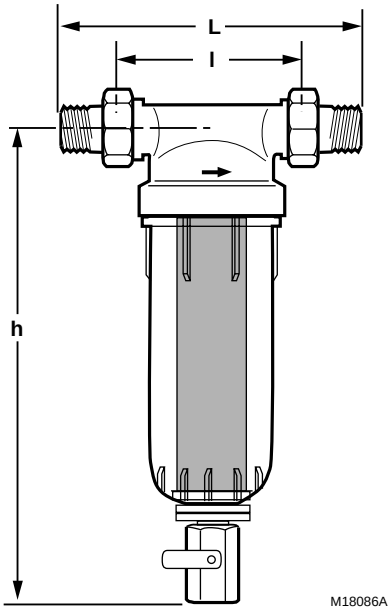


Fig. 1. FF06 dimensions.

Table 1. Dimensions in in. (mm) and weight in lb (kg).

Connection Size in in.	Dimensions in in. (mm)			Approximate weight in lb (kg)
	L	l	h	
3/4	6-1/4 (158)	3-9/16 (90)	7-1/16 (180)	2.2 (1.0)
1	7-1/16 (179)	3-15/16 (100)	7-1/16 (180)	2.9 (1.3)

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number.

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1. Your local Home and Building Control Sales Office (check white pages of your phone directory).
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   Honeywell, 1885 Douglas Drive North
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International Sales and Service Offices in all principal cities of the world. Manufacturing in Australia, Canada, Finland, France, Germany, Japan, Mexico, Netherlands, Spain, Taiwan, United Kingdom, U.S.A.

Flow Capacity: See Table 2 and Fig. 2.

Table 2. Flow capacity of FF06 Rinseable Fine Filter in gallons per minute.

Model	Pressure Drop in psi							Cv
	Size (in.)	1	2	3	4	5	15	
FF06A1013	3/4	7.7	10.9	13.3	15.4	17.2	29.8	7.7
FF06A1021	1	10.2	14.4	17.7	20.4	22.8	39.5	10.2

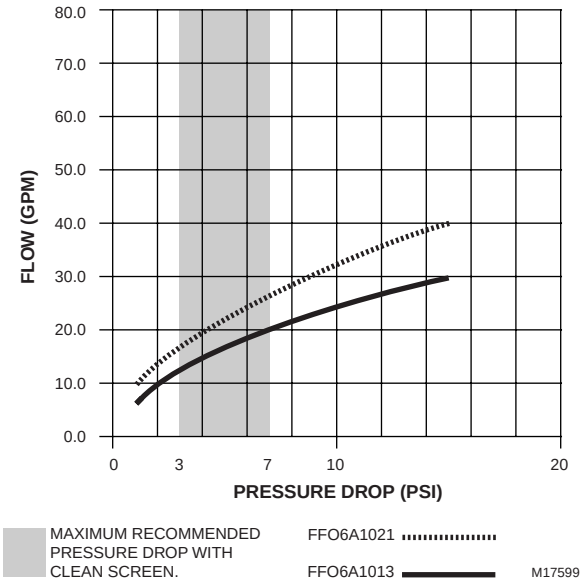

Fig. 2. FF06 Pressure drop vs. flow.

INSTALLATION

When Installing This Product...

1. Read these instructions carefully. Failure to do so could damage the product.
2. Check the ratings given in the instructions and on the product to make sure that the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is completed, check out product operation as provided in these instructions.

IMPORTANT

Follow local codes, ordinances and requirements when installing this filter.

Location

⚠ CAUTION

Equipment Damage Hazard.
Sunlight and solvent fumes can damage the filter.
Do not install the filter in a location where ultraviolet rays (sunlight) or solvent fumes are present.

The installation location must be freeze-protected and accessible. Allow enough room for the removal and replacement of the filter assembly.

Installation

1. Flush the pipework thoroughly.

⚠ CAUTION

Equipment Damage Hazard.
Solder and heat can damage the filter.
Remove the filter bowl and filter or separate tailpieces and nuts from the filter body before soldering to prevent damage to the filter.

⚠ CAUTION

Equipment Damage Hazard.
Excessive pressure or temperature can damage the filter.
Make sure that water temperature and pressure are below th maximum ratings specified.'

2. Shut off water supply by closing the water supply valve(s).
3. Install the FF06 in the water line with the arrow pointing in the direction of water flow and the filter bowl pointed downward.
4. Make sure the rinse ball valve is closed.

OPERATION

The FFO6 Rinseable Fine Filter is composed of a body and a rinseable fine filter insert. During normal operation, water flows through the filter mesh to the body outlet (see Fig. 3). to rinse the filter,open the ball valve to discharge the dirt particles. A continuous supply of filtered water is available during the rinse cycle.

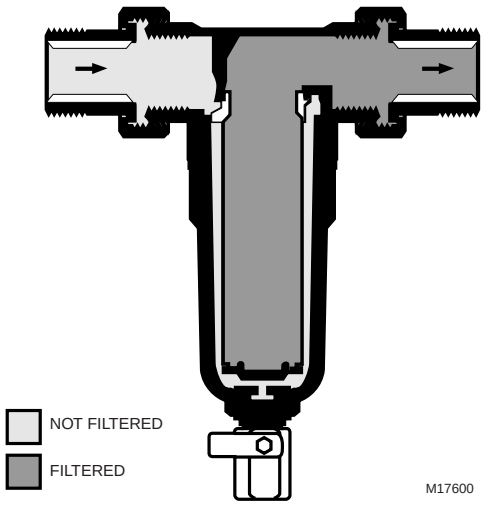

Fig. 3. Water flow through the FF06 Filter.

Rinsing

Rinsing is done to discharge dirt particles which can collect at the bottom of the filter bowl. Rinsing intervals depend on the degree of water contamination.

NOTE: Filtered water can still be drawn during the rinse cycle.

Installing a Rinse Drain System

Mount a funnel and drain pipe approximately 3/4 in. (20 mm) below the bottom of the ball valve or place an open container of a suitable size under the filter during the rinse cycle. See Fig. 4.

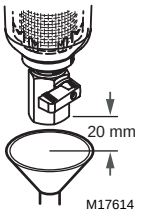

Fig. 4. Installing a rinse drain system.

1. Open the ball valve by turning the handle.
2. Close the ball valve after approximately 15 seconds.

NOTE: The FFO6 filter screens are made of stainless steel. Rust deposits from pipes have no effect on filter function and operation.

SERVICE AND MAINTENANCE

The necessity of changing the filter element depends on the local conditions and water quality. Frequent checks of the filter during the first few weeks or monhs of service are recommended until a definite filter change interval can be established. At a minimum, for health reasons, inspections should be carried out at least every six months.

Inspection Procedure

Use the following steps to inspect the filter (see Fig. 5).

1. Close the water cutoff valves (1, 2, Fig. 5).
2. Open drain valve to release pressure.

Use the ZR06F Double Ring Wrench (7) to loosen and remove the clear plastic filter bowl and filter screen assembly.

3. Remove the filter insert (5).
4. Remove the seal ring (3) from the filter insert.
5. Turn the filter mesh screen (4) to remove it from the mesh carrier.
6. Clean or replace the filter mesh screen and install the new filter mesh screen on the mesh carrier by turning it. Make sure the filter mesh screen goes over the top O-ring (6).
7. Replace the seal ring (3) on the filter insert.
8. Reassemble the filter.
9. Close the drain valve.
10. Open the water cutoff valves.

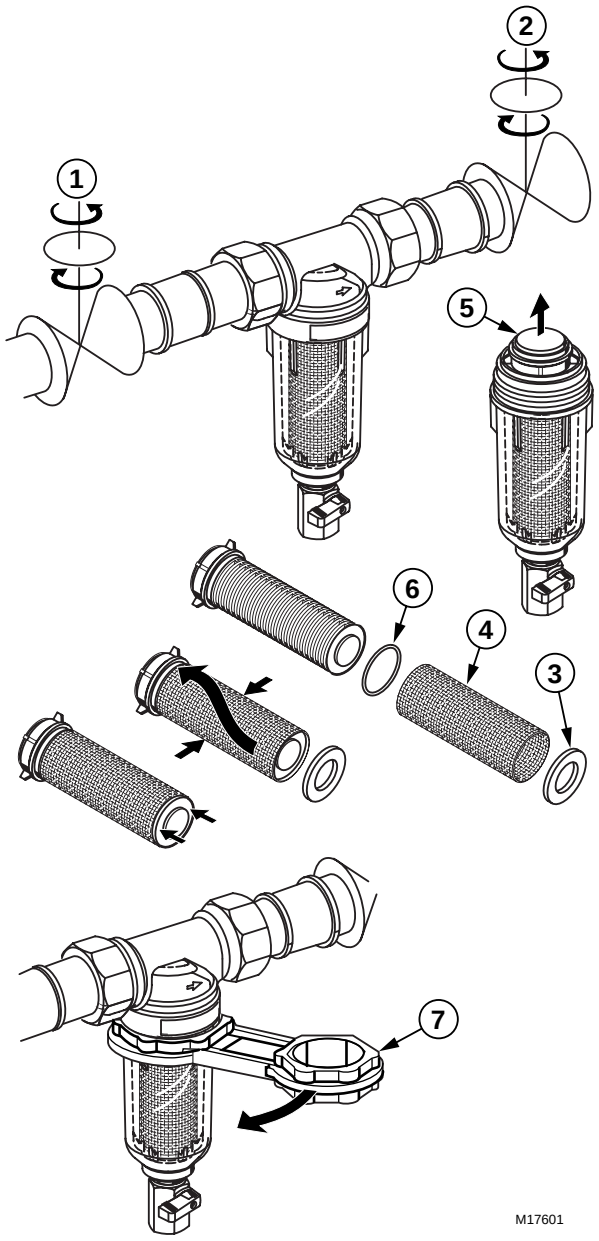

Fig. 5. Inspecting the FF06 Rinseable Fine Filter.

REPLACEMENT PARTS

Refer to Table 3 and Fig. 6 for replacement parts for the FF06.

Table 3. FF06 Replacement Parts.

Item Number	Part Number	Description
A	U76S5015	3/4 in. sweat tapilpiece.
	U76S55023	1 in. sweat tailpiece.
B	U76T1014	3/4 in. NPT tailpiece.
	U76T1022	1 in. NPT tailpiece.
C	0901444	Gasket, 3/4 in. (10 pcs)
	0901445	Gasket, 1 in. (10 pcs)
D & G	AS 06-1A	Filter mesh and sump O-ring (5 pcs)
E	KF 06-1A	Clear filter bowl, complete with filter mesh and carrier.
F	903128	Filter mesh carrier O-ring set (pack of 10).
G	901499	Filter bowl O-ring set (pack of 10).

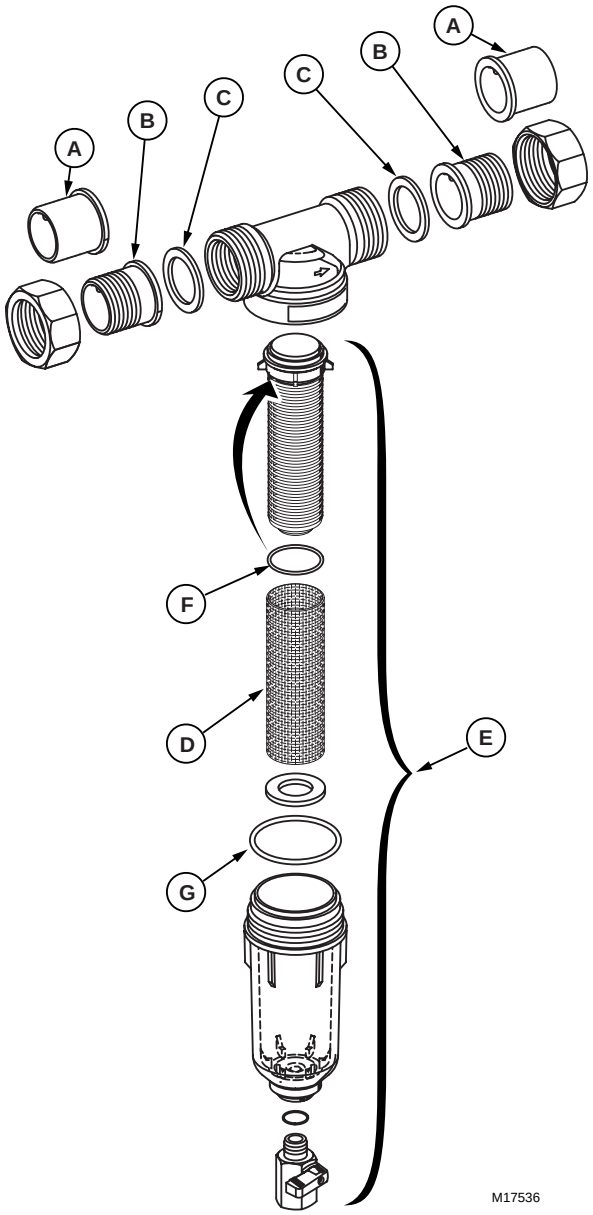

Fig. 6. FF06 Rinseable Water Filter, exploded view.

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