

SMARTFILLER M



AUTOMATIC DIAPHRAGM FILLING UNIT EQUIPPED WITH CALIBRATING KNOB

RBM SmartFiller M is an automatic filling unit, a device that reintegrates fluid into the heating systems.

It is composed of: a pressure reducing valve, a check valve and a shut-off valve.

The pressure reducing valve is diaphragm type and equipped with a pressure gauge to measure the output pressure. The cartridge is compensated seat: upstream pressure variations do not affect the downstream adjustment.



USE

The **RBM SmartFiller M** units are crucial parts that automatically reintegrate any water coming out of the system. In fact, during the normal operation of a heating system, part of the fluid is lost through the deaerators, in the form of steam mixed with gases that develop continuously in the circuit. The space left free by the fluid, if not duly reinstated, will be occupied by the gases which, when dissolved, form acid solutions that can lead to corrosion.

Graduated calibration knob

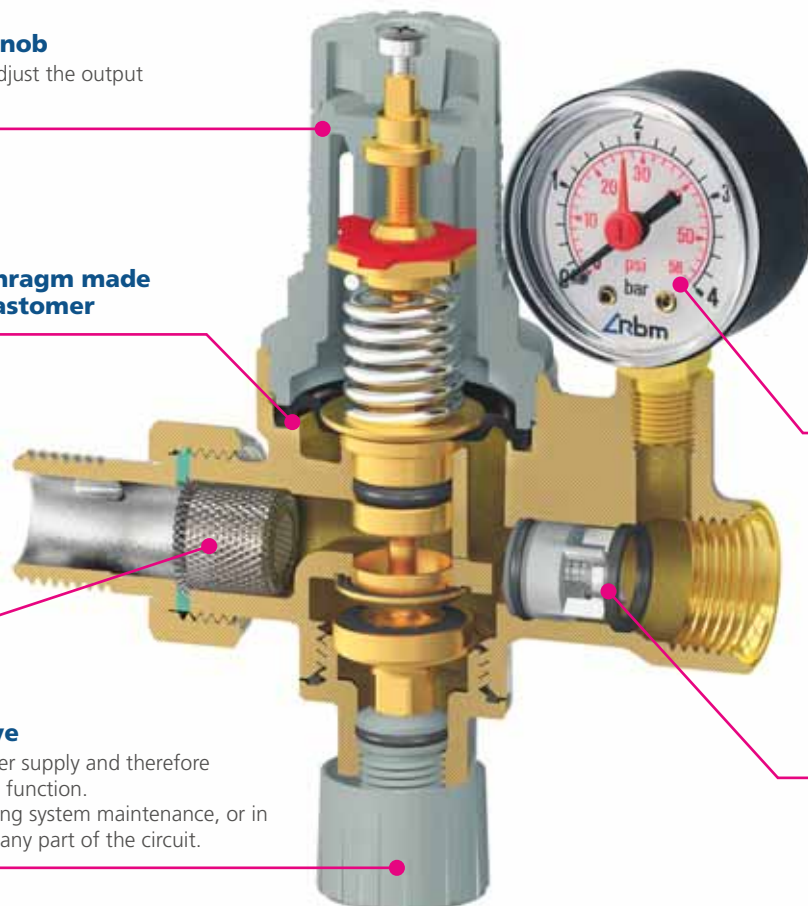
To immediately adjust the output calibration value.

Diaphragm made of elastomer

Filter

Shut-off valve

Cuts off the power supply and therefore excludes the refill function. This is useful during system maintenance, or in case of failure of any part of the circuit.



- Check valve and shut-off valve incorporated
- Output pressure calibration knob
- Pressure gauge
- PN 16

Pressure gauge

This measures the pressure downstream of the filling unit, namely the pressure in the circuit to be filled.

Check valve

Prevents the return of the liquid present in the system towards the aqueduct (upstream of the supply unit).

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Automatic adjustable filling unit to top-up closed circuits, diaphragm operated with anti-water hammer action, complete with removable cartridge micro filter, built-in check valve and dial pressure gauge to view downstream pressure.



Nickel plated brass body.
Stainless steel seal seats.
Elastomer seals.
Threaded connections FF UNI-EN-ISO 228.

- Nominal pressure 25 Bar
- Max upstream pressure 25 Bar
- Adjustable downstream pressure 0.8 ÷ 5.5 Bar
- Max operating temperature 80 °C
- Pressure gauge scale 0 ÷ 10 Bar
- Filtering grade 800 µm

■ Technical drawing, page 11.00



020

- Alinox filling unit - pn 25
- Groupe de remplissage Alinox - pn 25
- Подпиточный клапан Alinox - PN 25
- Grup de reumplere Alinox - pn 25
- Alimentador automático regulable Alinox, funcionamiento a membrana, con filtro extraíble
- Füllgruppe Alinox - pn 25

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiuone Medida Abmessung	Model Modèle Модель Model Modelo Modell	EURO EURO EURO EURO EURO	Pack Cond. Упак. Cutie Caja Pack.	Carton Emballage Кор. Ambalaj Embalaje Verpack.
46.04.00	1/2"	Alinox	-	1	6



Anti-water hammer action.

Outlet regulation 0.8 ÷ 5.5 Bar (with inlet pressure of 8 bar).

With removable cartridge micro filter, built-in check valve.

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Automatic adjustable filling unit to top-up closed circuits, diaphragm operated, complete with cartridge micro filter, built-in check valve and dial pressure gauge to view downstream pressure.



Nickel plated brass body.
Stainless steel seal seats.
Elastomer seals.
Threaded connections MF UNI-EN-ISO 228.

- Nominal pressure 16 Bar
- Max upstream pressure 16 Bar
- Adjustable downstream pressure 0.5 ÷ 4 Bar
- Max operating temperature 80 °C
- Pressure gauge scale 0 ÷ 4 Bar
- Filtering grade 500 µm

■ Technical drawing, page 11.00



020

- SmartFiller M Filling unit diaphragm based system - pn16 with adjust-ment knob

Groupe de remplissage fonctionnement à membrane - pn 16 avec manette d'étalonnage

SmartFiller M Подпиточный клапан мембрана действия - PN 16 с калибровочной рукояткой

SmartFiller M Grup de umplere cu funcționare cu membrană - pn 16 cu buton rotativ de calibrare

SmartFiller M Grupo de llenado funcionamiento con membrana - pn 16 con manivela de calibración

SmartFiller M Füllinheit mit Kmembran - pn 16 mit Regler

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiuone Medida Abmessung	Model Modèle Модель Model Modelo Modell	EURO EURO EURO EURO EURO	Pack Cond. Упак. Cutie Caja Pack.	Carton Emballage Кор. Ambalaj Embalaje Verpack.
39.04.00	1/2"	SmartFiller M	-	1	6
39.05.00	3/4"	SmartFiller M	-	1	6



Outlet regulation 0.5 ÷ 4 Bar (with inlet pressure of 8 bar).

With cartridge micro filter, built-in check valve and shut-off unit.

Complete with calibration knob.

3153

Automatic adjustable filling unit to top-up closed circuits, piston operated, complete with cartridge micro filter, built-in check valve and dial pressure gauge to view downstream pressure.



Nickel plated brass body.
Elastomer seals.
Threaded connections MF UNI-EN-ISO 228.

- Nominal pressure 16 Bar
- Max upstream pressure 16 Bar
- Adjustable downstream pressure 0.5 ÷ 4 Bar
- Max operating temperature 80 °C
- Pressure gauge scale 0 ÷ 4 Bar
- Filtering grade 500 µm

■ Technical drawing, page 11.00

- Filler filling unit - pn 16
- Groupe de remplissage Filler - pn 16
- Подпиточная группа Filler - PN 16
- Grup de reumplere Filler - pn 16
- Alimentador automático regulable Filler, funcionamiento a pistón - pn 16
- Füllgruppe Filler - pn 16

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiuone Medida Abmessung	Model Modèle Модель Model Modelo Modell	EURO EURO EURO EURO EURO	Pack Cond. Упак. Cutie Caja Pack.	Carton Emballage Кор. Ambalaj Embalaje Verpack.
3153.04.00	1/2"	Filler	-	1	6



Outlet regulation 0.5 ÷ 4 Bar (with inlet pressure of 8 bar).

With cartridge micro filter, built-in check valve and shut-off unit.

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