

AIRTERM & AIRTERM UP

FLOAT OPERATED DEAERATOR



MAXIMUM DISCHARGE PRESSURE **10 bar**

In-line **RBM Airterm** and adjustable **RBM Airterm UP** deaerators are devices designed to eliminate any micro air bubbles contained in the systems.

They are essentially made up of two parts:

- **ACTIVE:** The area where microbubbles are formed as a result of strong turbulence and swirling motion. Microbubbles blend together becoming bubbles.

- **PASSIVE:** Float-operated air vent valve to eliminate air bubbles.

With their capacity to absorb air bubbles nestled in the system's critical areas, deaerators help guarantee system efficiency and are therefore considered safety devices.



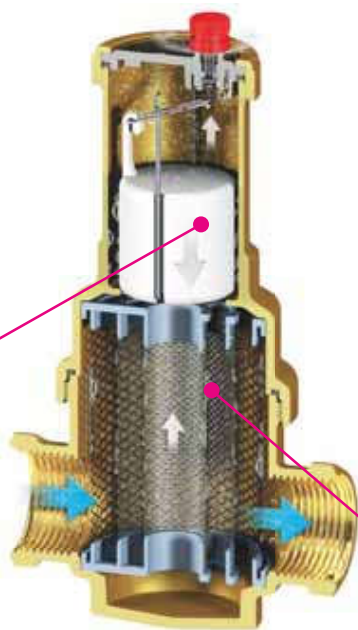
AIRTERM
In-line deaerator



AIRTERM UP
Adjustable deaerator

Passive part

High-performance air vent valve (discharge guaranteed up to 10 bar).

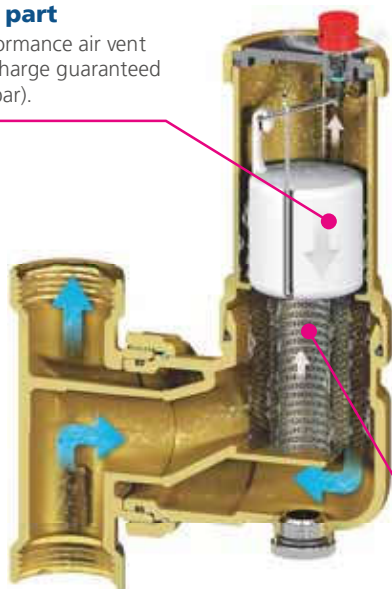


Innovative cartridge

made up of stainless steel sheets with different filtering grades. Stainless steel is an exceptional guarantee of long service life, maximum reliability in variable pressure, temperature, resistance to corrosion and wear conditions, generated by impurities (as it is increasingly less possible to predict what they are comprised of). The flow goes directly through the cartridge, and the continuous changes in sections lead to the creation of swirling movements which promote the release of micro bubbles. Nonetheless, the cartridge offers little resistance to flow passage and is characterised by very low head losses. The micro bubbles settle on the internal metal cage and, after reaching an adequate size, they move upwards and are ejected by the passive part of the device.

Passive part

High-performance air vent valve (discharge guaranteed up to 10 bar).



Innovative spiral cartridge

made of stainless steel. Stainless steel is an exceptional guarantee of long service life, maximum reliability in variable pressure, temperature, resistance to corrosion and wear conditions, generated by impurities (as it is increasingly less possible to predict



what they are comprised of). The flow goes directly through the cartridge, and the continuous changes in sections lead to the creation of swirling movements which promote the release of micro bubbles. Nonetheless, the cartridge offers little resistance to flow passage and is characterised by very low head losses. The micro bubbles settle on the internal metal cage and, after reaching an adequate size, they move upwards and are ejected by the passive part of the device.



- Ensures system efficiency
- High discharge capacity
- High performance (max. discharge pressure 10 bar)
- Bi-directional (model Airterm)
- Can be mounted on vertical, horizontal and diagonal piping (model Airterm UP)



2829

Self-cleaning dirt separator.
Provided with drain ball valve with hose end connector.

Brass body.
 3 Layers inox AISI 304 filtering cartridge.
 Elastomer hydraulic seals.
 Threaded connections FF UNI-EN-ISO 228.

- Max operating pressure 10 Bar
 - Operating temperature 0 ÷ +110 °C

■ Technical drawing, page 11.05

- 🇧🇪 Dirterm Self-cleaning dirt separator
- 🇫🇷 *Dirterm Filtre séparateur de boues autonettoyant*
- 🇷🇺 *Dirterm Самоочищающийся грязесборник*
- 🇵🇸 *Dirterm Eliminator de nămoluri cu autocurățare*
- 🇸🇪 *Dirterm Desfangador autolimpiante*
- 🇩🇪 *Dirterm Selbstreinigender Schlammabscheider*

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiune Medida Abmessung	Kv (m³/h) Kv (m³/h) Kv (m³/h) Kv (m³/h) Kv (m³/h)	EURO EURO EURO EURO EURO	Pack Cond. Ynak. Cutie Caja Pack.	Carton Emballage Kop. Ambalaj Embalaje Verpack.
2829.04.00	1/2"	7,40	-	1	6
2829.05.00	3/4"	12,66	-	1	6
2829.06.00	1"	20,44	-	1	6
2829.07.00	1"1/4	28,14	-	1	6
2829.08.00	1"1/2	44,45	-	1	6
2829.09.00	2"	65,58	-	1	1



026

2829

Flanged self-cleaning dirt separator.
Provided with drain ball valve with hose end connector.

Painted steel body.
 Brass valve body.
 PN16 flanged connections.

- Max operating pressure 10 Bar
 - Max operating temperature 110 °C
 - Allowed fluid water and water-glycol 30 %

■ Technical drawing, page 11.05



- 🇧🇪 Dirterm Flanged self-cleaning dirt separator
- 🇫🇷 *Dirterm Filtre séparateur de boues autonettoyant à brides*
- 🇷🇺 *Dirterm Самоочищающийся фланцевый грязеотделитель*
- 🇵🇸 *Dirterm Denisipator cu autocurățare cu flanșă*
- 🇸🇪 *Dirterm Desfangador autolimpiante embridado*
- 🇩🇪 *Dirterm Geflanschter selbstreinigender Schlammabscheider*

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiune Medida Abmessung	Kv (m³/h) Kv (m³/h) Kv (m³/h) Kv (m³/h) Kv (m³/h)	EURO EURO EURO EURO EURO	Pack Cond. Ynak. Cutie Caja Pack.	Carton Emballage Kop. Ambalaj Embalaje Verpack.
2829.09.72	DN50	-	-	1	1
2829.10.72	DN65	-	-	1	1
2829.11.72	DN80	-	-	1	1
2829.13.72	DN100	-	-	1	1
2829.14.72	DN125	-	-	1	1
2829.15.72	DN150	-	-	1	1



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Flange suitable for coupling with counter-flange UNI EN 1092-1.

Magnetic version underway.
Availability during 2019.
Contact the RBM technical office for information regarding product availability.

3491

Adjustable self-cleaning dirt separator.
Provided with drain ball valve with hose end connector.

Brass body.
 3 Layers inox AISI 304 filtering cartridge.
 Elastomer hydraulic seals.
 Threaded connections FF UNI-EN-ISO 228.

- Max operating pressure 10 Bar
 - Operating temperature 0 ÷ +110 °C

■ Technical drawing, page 11.05



- 🇧🇪 Dirterm UP Self-cleaning adjustable dirt separator
- 🇫🇷 *Dirterm UP Filtre séparateur de boues orientable autonettoyant*
- 🇷🇺 *Dirterm UP Поворотный самоочищающийся грязеотделитель*
- 🇵🇸 *Dirterm UP Denisipator orientabil cu autocurățare*
- 🇸🇪 *Dirterm UP Desfangador orientable autolimpiante*
- 🇩🇪 *Dirterm UP Selbstreinigender ausrichtbarer Schlammabscheider*

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiune Medida Abmessung	Kv (m³/h) Kv (m³/h) Kv (m³/h) Kv (m³/h) Kv (m³/h)	EURO EURO EURO EURO EURO	Pack Cond. Ynak. Cutie Caja Pack.	Carton Emballage Kop. Ambalaj Embalaje Verpack.
3491.05.00	3/4"	-	-	1	1
3491.06.00	1"	-	-	1	1



026



Can be mounted on vertical, horizontal and diagonal piping.

Possibility of mounting series 2343 accessory connector (see page 4.28) for plant washing.

2831

Self-cleaning dirt separator / deaerator.**Float operated deaerator.**

Provided with drain ball valve with hose connection.

Brass body.
Lever floating device in PP.
Inox AISI 304 3 Layers steel filtering cartridge.
Elastomer hydraulic seals.
FF UNI-EN-ISO 228 threaded fittings.

- Max operating pressure 10 Bar
- Max operating discharge pressure 10 Bar
- Operating temperature 0 ÷ +110 °C

■ Technical drawing, page 11.06



- Airterm Dirt Self-cleaning dirt separator / deaerator
- Airterm Dirt Filtre séparateur de boues autonettoyant / séparateur d'air
- Airterm Dirt Самоочищающийся грязесборник/ Деаэратор
- Airterm Dirt Eliminator de nămoluri cu autocurățare/Dezaerator
- Airterm Dirt Desfangador autolimpiante / desaireador
- Airterm Dirt Selbstreinigender Schlammabscheider / Entlüfter

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiune Medida Abmessung	Kv (m ³ /h) Kv (m ³ /h) Kv (m ³ /h) Kv (m ³ /h) Kv (m ³ /h)	EURO EURO EURO EURO EURO	Pack Cond. Упак. Cutie Caja Pack.	Carton Emballage Кор. Ambalaj Embalaje Verpack.
2831.04.00	1/2"	7,40	-	1	1
2831.05.00	3/4"	12,66	-	1	1
2831.06.00	1"	20,44	-	1	1
2831.07.00	1"1/4	28,14	-	1	1



026



Dirt separator + embedded deaerator.

2831

Self-cleaning dirt separator/ flanged deaerator.**Float operated.**

Painted steel body.
Valve body and brass deaerator.
Elastomer deaerator seals.
PN16 flanged connections.

- Max operating pressure 10 Bar
- Max operating discharge pressure 10 Bar
- Max operating temperature 110 °C
- Allowed fluid water and water+glycol 30 %

■ Technical drawing, page 11.06



- Airterm Dirt Self-cleaning dirt separator/ flanged deaerator
- Airterm Dirt Filtre séparateur de boues autonettoyant / séparateur d'air à brides
- Airterm Dirt Самоочищающийся грязеотделитель / фланцевый деаэратор
- Airterm Dirt Denisipator cu autocurățare/degazor cu flanșă
- Airterm Dirt Desfangador autolimpiante / desaireador embridado
- Airterm Dirt Selbstreinigender Schlammabscheider / geflanschter Entlüfter

Code Code Артикул Cod Código Code	Size Taille Размер Dimensiune Medida Abmessung	Kv (m ³ /h) Kv (m ³ /h) Kv (m ³ /h) Kv (m ³ /h) Kv (m ³ /h)	EURO EURO EURO EURO EURO	Pack Cond. Упак. Cutie Caja Pack.	Carton Emballage Кор. Ambalaj Embalaje Verpack.
2831.09.72	DN50	-	-	1	1
2831.10.72	DN65	-	-	1	1
2831.11.72	DN80	-	-	1	1
2831.13.72	DN100	-	-	1	1
2831.14.72	DN125	-	-	1	1
2831.15.72	DN150	-	-	1	1



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Dirt separator + embedded deaerator.

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