Mag – Filter Brass Hydro-Cyclonic Magnetic Filter

EARS

POWERFUL NEODYMIUM MAGNET 10.500+ Gauss

Brass (8) Forun

MADE IN GR

360° ROTATING TEE FITTING Vertical and Horizontal Connection Pipework 3/4", 1" and 1%"

STAINLESS STEEL Filtering Cartridge AISI 304

Brass Form

PRODUCTION OF HEATING AND PLUMBING VALVES

TRANSPARENT POLYSULFONE Cover for visual control

SPECIAL FEATURES

Operating Temperature	0 - 95°C
Maximum Operating pressure	10 bar (code. 2421) 6 bar (code. 421)
Compatible Fluid	water, water & glycol
Magnets	x3 - 10.500+Gauss
Filter Cartridge	400 µm
Chamber capacity	380 ml
Connections	ISO 228

	BRASS			
14/	CODE	DN	CONNECTIONS	GUARANTEE
	2421	20	3/4"- fem.	25 years
	2423	20	3/4"- male	25 years
	2432	25	1"- fem.	25 years
	2433	25	1"- male	25 years
U	2411	32	1¼″- male	25 years

100		10	-	-	
TR	A	NS	ΡA	191	ΞNT
				10.51	

CODE	DN	CONNECTIONS	GUARANTEE
421	20	3/4"- fem.	10 years
423	20	3/4" - male	10 years
432	25	1″- fem.	10 years
433	25	1"- male	10 years



Mag - Filter

Brass Form Mag Filter is the ideal solution for Gas installations for wall mounted natural gas or liquefied petroleum gas boilers (with a cluster of propane cylinders or tanks in areas where is no natural gas network), and for heating installations. It provides complete

(1) With the action of a powerful neodymium magnet

(2) and stainless-steel filter

protection by effectively combining two stages of cleaning with the action of a powerful neodymium magnet and stainlesssteel filter to trap and remove both the metallic particles circulating in the water of the closed system before damaging the boiler.



ATTENTION: The symbol reference to present of powerful magnetic field. This equipment can produce pulsed magnetic fields and at close proximity which may affect implanted medical devices.

Powerful Neodymium magnet

The circulating impurities such as rust and sand that are formed due to corrosion are effectively collected especially during start up phase preventing wear and damage of the boiler and the heat exchanger.

It can be installed in horizontal or vertical pipelines thanks to the 360° rotation of the T-fitting with various connection modes. The detachable magnet located inside the hydro-cyclonic flow chamber holds effectively all the metal particles. The liquid then passes through the stainless filter, which traps all the non-metallic impurities remaining and retained in the bottom of the chamber and are ready to be removed by the opening of discharge tap at the bottom of the filter.

Stainless Steel Filter

The ideal design of the filter does not prevent the flow of the system (low pressure loss) and through the cyclonic action and the large volume of the chamber, the cleaning frequency decreases as the particles slow down when entering the filter chamber and are easier to attach to the magnet.

At the same time, the built in vent on the top of the magnetic filter provides the possibility of venting the air (microbubbles) trapped in the installation.

TECHNICAL FEAUTERS

- Main Body Brass (cw617N)
- 2 Locking nut for dirt separator cover Brass (cw617N)
- 3 Filter Cartridge Inox AISI304
- 4 Clean Cover Polysulfone (PSU)
- 5 Drain Ball Valve with hose connection Brass (cw617N)
- 6 Orings x 6 NBR
- Swivel connection for T-Fitting Brass (cw617N)
- 8 360° Rotating Tee Fitting Vertical and Horizontal Connection Pipework 3/4", 1" and 1¼"
- 9 Hydro-Cyclonic chamber PPR
- 10 Top plug Brass (cw617N)
- 11 Magnet Housing Polymer PPR
- 12 Magnets 3 x Neodymium N48, 10.500+ Gauss
- 13 Air Vent Brass (cw614N)





IRTEC 🛎		PER BOTHING IN STOLEN, TERMS Description, Tel Toronalist Ann. Tel Letters, Restances for Technol. Dev (19	ATE-C AMONTHINE Partial PTMLLA				
	мп	RTEC's Electrote	echnical Produc	ts Testing La	boratories		
í i		CI	ERTIFIC	ATE			
OF N		CNEETO	ETETDO	MEAC		100	
OFF	'IA	GNETIC	LIETDO	MEAS	OREMET	112	
CERTIFICATE NUMBER	R :	MIR-HOUS-C-312-	-2018				
DATE OF ISSUE		SEPTEMBER 18, 2	2018				
TAGUED BO		DDAGG BODY CL					
1350ED 10		BRASS FORM SA					
TEST ITEM	- :	MAGNETIC ARRAY	FOR MAGNETIC DI	RT SEPERATION	N		
TYPE/MODEL		TRHEE PART MAG	NETS ARRAY				
MANUFACTURER	-	BRASS FORM SA					
EQUIPMENT USED		Hall Effect Gau	ussmeter SYPRIS	6010			
STATEMNT	:	BASED ON LAB M 17 OF SEPTEMBE	MEASUREMENTS PER R 2018, THE MAG	FORMED IN OU	R LABORATORY MEASUREMENTS	FROM 14 OF THE 1	UP TO

A.- MAXIMUM POSITIVE MAGNETIC FIELD 10.71 kG B.- MAXIMUM NEGATIVE MAGNETIC FIELD -10.53 kG

- The test results apply only to the particular samples for which the test Report, S/N 100312 dated

September 17, 2018 was issued. - This certificate applies up to September 17, 2021.

ITEMS HAVE AS FOLLOWS:

MIRTEC ATHENS LABORATORIES

GENERAL REEMARKS:

K. KARINIOTAKIS

KONSTANTINOS KARINIOTAKIS ELECTRICAL ENGINEER MSc, EE DIRECTOR

COLVER

MIRTEC's Electrotechnical Products Testing Laboratories A' Industrial Area, P.O.Box 13, GR-385 00 Volos - GREECE TEL.: +30-210-228.37.57 - FAX: +30-210-577.05.56 e-mail: electrotechnical.labs@mirtec.gr, website: www.mirtec.gr

Signed:

FORM APPROVAL: 1/9/2018 ISSUE: 2

	ANNEX EBE-200-3	Page: 2/6
SERIAL NUMBER:	100312	
18. SERIAL NUMBER REPORT	Brass Form	
.9. NUMBER OF SAMPLES	One (1)	
0. DELIVERY DATE	20/07/2018	
1. TESTING PERIOD	From 14/09/2018 until 17/09/201	18
2. PURPOSE OF MEASUREMENT:	MAGNETIC FIELD MEASUREMENT IN TO THE POLLS AT THE NEAREST PO (SEE PARAGRAPH 28)	THE MAGNET ARRAY INT OF THE MAGNET
23. EQUIPMENT USED	Hall Effect Gaussmeter SYPRI	S 6010 EBE-4067
	Range Of Measurement: 1 mG (0,	1 μT) - 30 kG (3 T).
	Precision: DC 0,25% AC 1% .	
. MEASUREMENT UNIT	Gauss.	
5. ATTACHMENTS:		
EBEA CERTIFICATE WITH PROTOCOL	NUMBER 312 DATED 30-8-2018	PAGES: 2
	TOTAL PAGES :	ATTACHED: 2
. RESULTS AND FINDINGS:		
See measurement table paragrap	n 28	
27. NOTES:		
Based on lab measurement perfor the magnetic fields measurement A. Maximum positive magnetic fi B. Maximum negative magnetic fi	med in our laboratory from 14 up t of the tested items are as foll ield 10.71 kg ield -10.53 kg	to 17 of September 2018, ows.

No. of Concession, Name Concession of the local division of the loca



ATHENS LABORATORY EBETAM - Annex dated 20/07/2018 version 1

r

. . .

. . .

sion 1



INSTALLATION

The filter must be installed in the circuit according to the flow direction of the arrow on the brass body of the T-fiting. It is recommended to be placed in the return of the heating network, before the boiler or the heat pump, in order to protect it from residues. It should always be placed in a vertical position with the discharge tap looking downwards.



OPTIONAL EQUIPMENT with other Brass Form products



DN15 3/4" non fixed fitting

x 3/4″ female	code 133
x 3/4″ male	code 143
x 24x19	code 153
x press16/18/20	code 462/ 482/420



DN20 3/4" fast connection DN25 1" fast connection

code **112/1112**



Connections 3/4" CODE (fem. & male.) 301/302 x Ø22x3 PEX

Connections 3/4["] CODE (fem. & male.) 352/3 x Ø22 brass

CODE 352/351

MAINTENANCE

Particle concentration on the filter reduces water supply to the plant while cleaning serves for proper circuit operations as well as a longer service life of the installation and the boiler. The design of the Magnetic filter makes maintenance and cleaning extremely fast and accessible from two points. Disassembly the brass or transparent collection container at the bottom and to clean the stainless filter and the residual compartment and disassembly the top cap for a complete cleaning of the cyclonic flow chamber. Moreover, through the ventilators position on the top of the product it is possible to infiltrate liquid chemical cleaners for the complete cleaning and protection of the circuit. Before unscrewing the ventilator, make sure to isolate the magnetic filter from the circuit by closing the shut-down switches (1&2) and to unfold the magnetic filter from the drain.

ATTENTION:

To avoid any leakage, it is recommended that maintenance and cleaning works should be carried out by an authorized plumber.

The boiler should be out turned off and the fluid inside the circuitry must reach room temperature to avoid burns.





www.brassform.gr