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GRANCH OIL FILTRATION CART

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GFC Series Mobile Oil Filtration Cart



Granch Qualification Certificate

CERTIFICATE



特此授予：
宏茂事業有限公司
404028臺中市北區健行路766巷32號1樓

管理體系符合
ISO 9001:2015

驗證範圍
過濾設備與過濾相關元件之設計與製造

證書編號: ARES/TW/2405095Q
證書發給日期: 2024-05-21
證書有效期至: 2027-05-20

唯一監督審核時間表: 3. 現場審核時間表(詳情請參閱第 5.4 條) 4. 後續審核時間表(詳情請參閱第 5.4 條) 5. 證書有效期間(詳情請參閱第 5.4 條)




批准：


ARES International Certification Co., Ltd.
No.12-2, L. 1st, Weiping Rd., Anping Dist., Taiwan City 708, Taiwan
TEL: (86-2) 295 9696 (Rep. Line) FAX: (86-2) 295 9667
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Certificate of Compliance



No. 3K1 90820-GEQC22
Technical Construction file no. GE-201908-A1

Certificate's Holder: Granch Enterprise Co., Ltd.
No.32, Lane 756, Jianxing Rd., Taichung City 404, Taiwan (R.O.C.)

Manufacturer: Granch Enterprise Co., Ltd.
No.568-1, Lane 488, Sec. 1, Minan Rd., Wufong Dist., Taichung City 414, Taiwan (R.O.C.)

Certification ECM Mark: 

Product: Filter Unit
Model(s): CTS Series, DA Series, GDF Series, GFC Series, GFW Series, GD Series, GPF Series, GTS Series, GVP Series, MP Series, SF Series, SFC Series, TCM Series

Verification to: Standard: EN ISO 12100:2010, EN ISO 13849-1:2015, EN ISO 13850:2015, EN ISO 4413:2010, EN ISO 4414:2010, EN 60204-1:2006+A1:2009+A1C:2010 related to CE Directives: 2006/42/EC (Machinery) 2014/53/EU (Low Voltage)

Remarks: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed standards. The above Compliance Mark can be affixed on the product(s) according to the ECM regulation about its release and its use. The regulation can be found at www.ecm.com.tw. The Certificate of Compliance can be checked for validity at www.ecm.com.tw.

Additional information, clarification about the CE Marking: The affixed CE Mark is for the CE Marking process in 2006. Whereas the Manufacturer is responsible to start the CE Marking Certification Procedure and to perform all the necessary activities, as required by the Directive before placing the CE Mark on the product(s).

CE

Date of issue: 20 August 2019
Chief Manager: 
Date of issue: 19 August 2024
Chief Manager: 

Info Certificazione Macchine Srl
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Certificate – Сертификат – 證明書 – 證明書 – 證明書



Granch Enterprise Co., Ltd.
Process components , Fil+Sep , Purification equipment
Tel : 886 4 22055738 / Fax: 886 4 22055750
Email : granch.cop@msa.hinet.net / Website: www.granch.com.tw

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I. Description and Functions:

The GFC series mobile oil filtration cart is suitable for use with lubricating oil, gear oil, washing oil, and other related fluid systems. This unit is driven by a high-efficiency IE3 motor (Insulation Class F) that powers an ultra-quiet oil pump. It connects to a 3~5 μ m equivalent of the Japanese Taisei LCN-type filter to achieve optimal fluid purification.

II. Detailed Product Information

1. Compact Design: The unit features a lightweight and compact structure, with dimensions kept within L 990 x W 490 x H 1,480 mm. The base is equipped with four wear-resistant swivel casters with brakes, enhancing mobility across different work areas.

2. Durable Construction: The entire main frame (excluding the Taisei LCN-type filter assembly) is manufactured from 304 stainless steel. The base integrates an oil drip pan and a drain port, ensuring the equipment is durable, aesthetically pleasing, and easy to clean and maintain.

3. This machine adopts a new five-fold safety protection system:

Dual-Gauge Pressure Switch Protection: Combines visual and electronic displays for easy identification of the current operating pressure. The switch is simple to set and includes a limit function that 100% prevents overpressure conditions.

3-1. IE3 motor overload protection function.

3-2. Reverse phase loss protection and leakage protection switch.

3-3. Filter cartridge life differential pressure protection function.

3-4. Flow switch protection to prevent damage to the pump due to excessive suction pressure caused by blockage of the pre-filter.

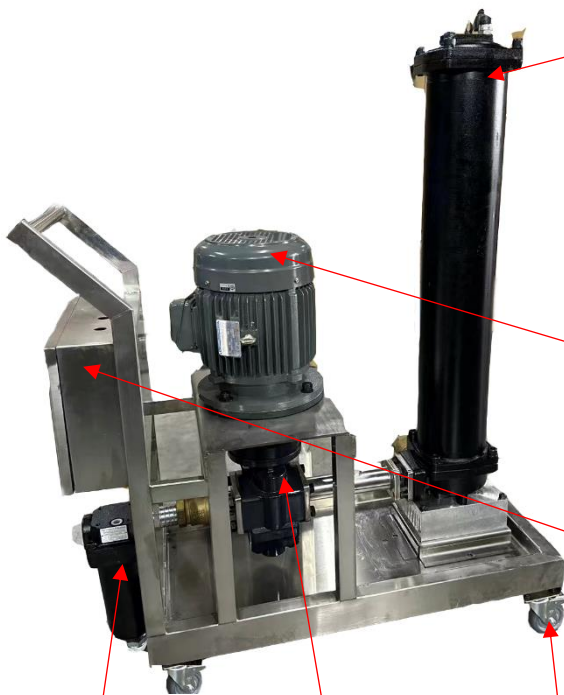
4. Operating power supply: Can be customized according to customer requirements and comes with a standard 10M power supply.

5. This machine has CE certification.

Model	Flow Rate (L/H)	Power (HP)	Power Supply Specs	Hose Length	Power Cord Length
GFC-40	2,400	2HP	3HP 220V 60Hz	1.5m	10m
GFC-200	12,000	7.5HP	3HP 220V 60Hz	2m	15m

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L*W*H = 990*490*1,480(mm) Total weight not exceeding 200 kg.
The entry/exit standard is 1" for GFC40 , 1.5" for GFC200.



The filter element uses Lydall high-efficiency glass from the USA. Filter cartridge made of a fiber-blend material, with a filtration efficiency of $\beta_x \geq 1,000$ (according to ISO 16889).
The attached handle makes it easy to remove and replace.



It can withstand a maximum pressure of 30 bar.

IE3. Insulation class F, used to drive the pole. Silent oil pump, connected to 3-5um Daisei LCN type filter from Japan
Filtering homogeneous products.



220V/3 phase/AC/Power cord length:20 meters.



The base comes with four movable, wear-resistant, and flexible casters with brakes, improving ease of movement within the work area.



The pump is equipped with a 250 μ m all-aluminum alloy pre-filter and a pressure gauge that shows the filter cartridge blockage.

It can handle flow rates of 30 LPM and 200 LPM, and uses an imported ultra-quiet pump, with the overall operating noise below 60 dBA. It is suitable for viscosities from 10 cst to 700 cst.