

# Hydraulic & Offshore SUPPLIES

## Spin-On Filters

Contact our team *and*  
**Order today on:**  
**+44 (0)191 549 7335**

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**DATI TECNICI FILTRO COMPLETO**

- Pressione massima di esercizio = 10 bar
- Pressione massima di collaudo = 18 bar
- Valvola by-pass in aspirazione tarata a 0,25 bar  $\pm$  10%
- Valvola by-pass sul ritorno tarata 1,7 bar  $\pm$  10%
- Temperatura di esercizio da -25°C a +95°C
- Compatibilità con oli idraulici verificata secondo ISO 2943
- Pressione differenz. di collasso della cartuccia = 5 bar secondo ISO 2941
- Attacchi filettati secondo UNI 388
- Testina eseguita in lega d'alluminio UNI 5076

**ELEMENTI FILTRANTI**

- A/B: carta trattata con resine con grado di filtrazione 10 e 25 micron  $\beta_{x \geq 2}$
- F/N/G/H: Fibre inorganiche con grado di filtrazione da 3, 6, 10 e 25 micron  $\beta_{x \geq 75}$
- C: rete metallica con grado di filtrazione da 60 micron
- E: rete a maglia in ottone con grado di filtrazione da 125 micron
- Efficienza di filtrazione multipass-test secondo ISO 4572

**TIPI DI SEGNALE**

- PV1: manometro con scala da 0 a 12 bar
- VV1: vuotometro con scala da 0 a -76cm Hg
- PE1: pressostato con contatti normalmente aperti con taratura 1,3 bar  $\pm$  10%
- PE2: pressostato con contatti normalmente chiusi con taratura 1,3 bar  $\pm$  10%
- VE1: vuotostato con contatti normalmente aperti con taratura 0,2 bar  $\pm$  10%
- DV131: indicatore differenziale visivo di intasamento con taratura 1,3 bar  $\pm$  10% (da montare esclusivamente su testina di tipo T31"-I")
- DV130: indicatore differenziale visivo di intasamento con taratura 1,3 bar  $\pm$  10% (da montare esclusivamente su testina di tipo T20"-I")
- DE131: indicatore differenziale visivo elettrico di intasamento con taratura 1,3 bar  $\pm$  10% (da montare esclusivamente su testina di tipo T31"-I")
- DE130: indicatore differenziale visivo elettrico di intasamento con taratura 1,3 bar  $\pm$  10% (da montare esclusivamente su testina di tipo T20"-I")
- PE3: pressostato a membrana regolabile con contatti in scambio con taratura 1,3 bar  $\pm$  10%

**COMPLETE FILTER TECHNICAL DATA**

- Max working pressure = 10 bar
- Max test pressure = 18 bar
- Suction by-pass valve calibrated to 0.25 bar  $\pm$  10%
- Return by-pass valve calibrated to 1.7 bar  $\pm$  10%
- Working temperature -25°C up to +95°C
- Compatibility with hydraulic oils as per ISO 2943
- Filtrating elements collapse pressure ISO 2941
- Threaded connections according with UNI 388
- Filter head aluminium UNI 5076 alloy

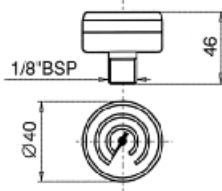
**REPLECEMENT ELEMENTS**

- A and B in micropaper treated with resin and stabilized filtration ratios 10 and 25 micron  $\beta_{x \geq 2}$
- C in steel with filtration ratios 60 micron
- E in brass mesh with filtration ration 125 micron
- Filtration efficiency multipass-test as per ISO 4572

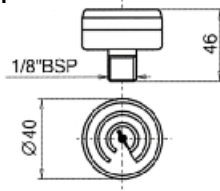
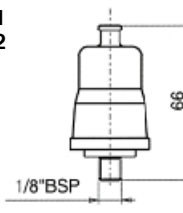
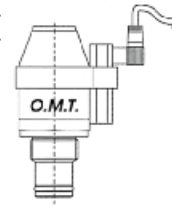
**OPTIONALS**

- PV1: gauge with pressure range from 0 to 12 bar
- VV1: for suction line with gauge scale to 76 cm Hg
- PE1: pressure switch with NA electrical contacts and pressure setting 1,3 bar  $\pm$  10%
- PE2: pressure switch with NC electrical contacts and pressure setting 1,3 bar  $\pm$  10%
- VE1: vacuum switch with NO electrical contacts set at 0,2 bar  $\pm$  10%
- DV131: differential visual indicator calibrated at 1,3 bar  $\pm$  10% (to be mounted only on T31"-I" head)
- DV130: differential visual indicator calibrated at 1,3 bar  $\pm$  10% (to be mounted only on T20"-I" head)
- DE131: differential visual electrical indicator calibrated at 1,3 bar  $\pm$  10% (to be mounted only on T31"-I" head)
- DE130: differential visual electrical indicator calibrated at 1,3 bar  $\pm$  10% (to be mounted only on T20"-I" head)
- PE3: membrane pressure switch with pressure setting 1,3 bar  $\pm$  10%

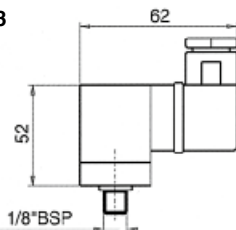
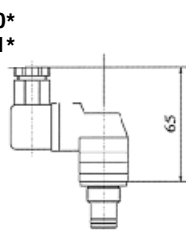
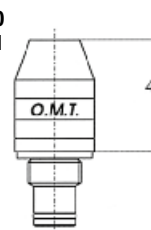
PV1



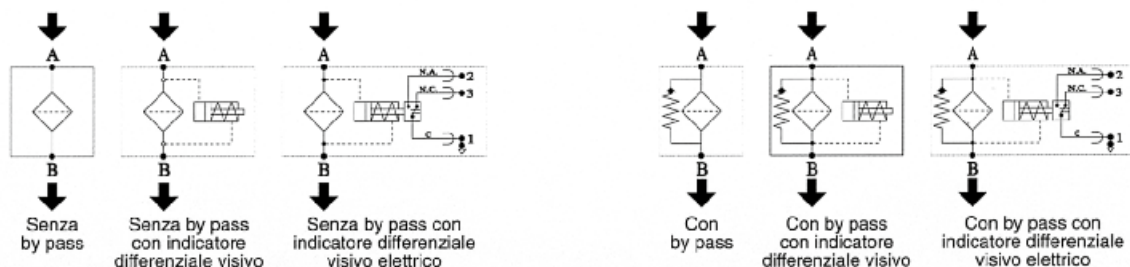
VV1

PE1  
PE2DR 130\*  
DR 131\*

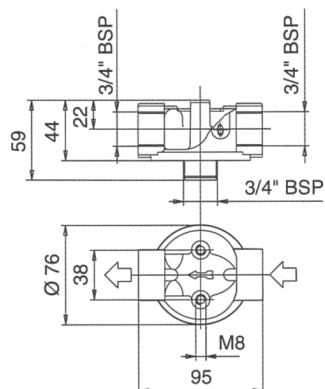
PE3

DE 130\*  
DE 131\*DV 130  
DV 131

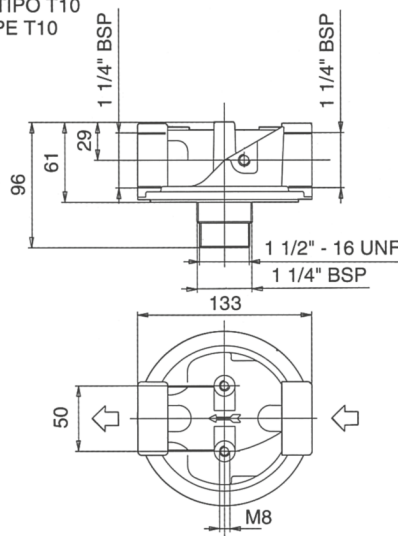
(\*) Protection IP65 connector DIN 43650

**SIMBOLOGIA / SIMBOLOGY**

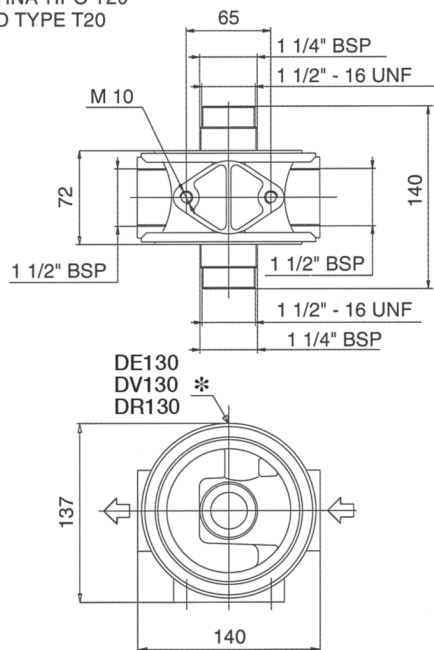
TESTINA TIPO T05  
HEAD TYPE T05



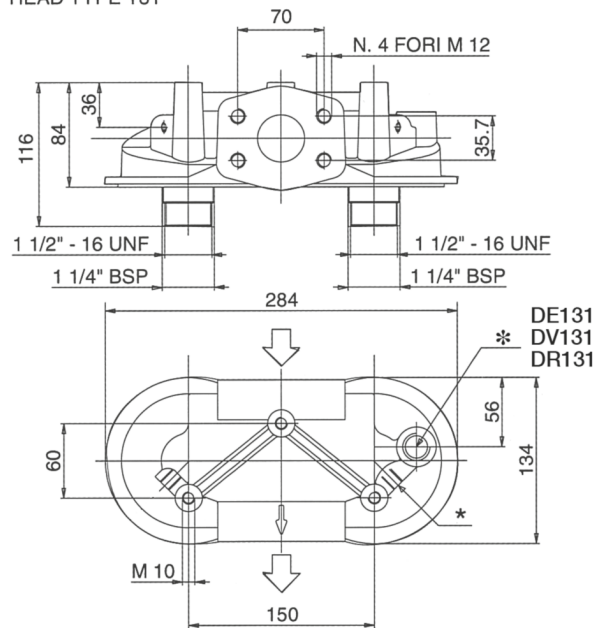
TESTINA TIPO T10  
HEAD TYPE T10



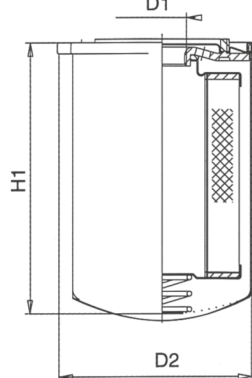
TESTINA TIPO T20  
HEAD TYPE T20



TESTINA TIPO T31  
HEAD TYPE T31



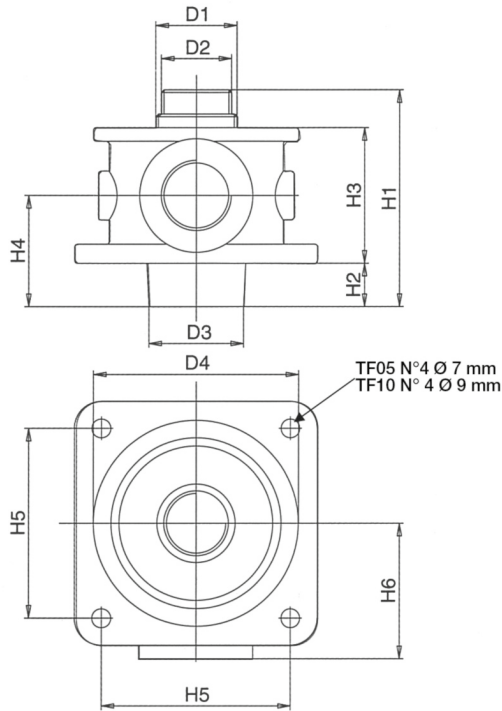
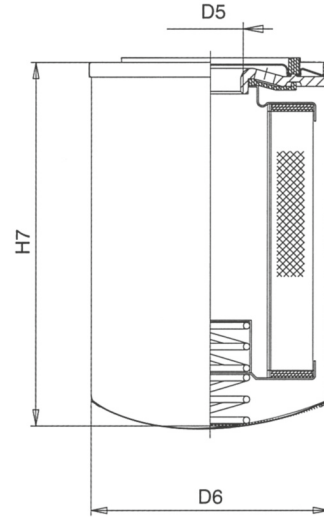
CARTUCCIA SERIE CS  
CARTRIDGE SERIES CS



**\*= solo per T20 e T31 "-I"  
for T20 and T31 "-I" only**

Dimensioni cartuccia - Dimensions

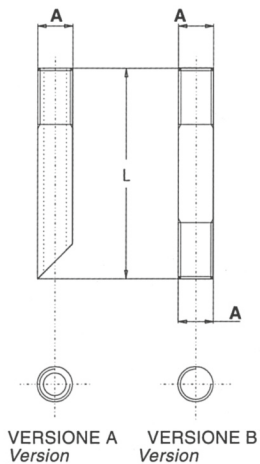
Codice Code	D1	D2	H1
CS 05	3/4" BSP	98	145
CS 06			190
CS 10	1 1/4" BSP	132	180
CS 15	1 1/4" BSP	132	226

TESTINA TIPO TF05 - TF10  
HEAD TYPE TF05 - TF10CARTUCCIA SERIE CSM  
CARTRIDGE SERIES CSM

Tipo Type	Dimensioni / Dimensions													Portata max.
	D1 BSP	D2	D3	D4	D5 BSP	D6	H1	H2	H3	H4	H5	H6	H7	
FTT 05	3/4"	-	35	76	3/4"	98	80	16	50	41	70	50	145	95
FTT 06													190	110
FTT 10	1 1/4"	1 1/2"	60	135	1 1/4"	132	127	20	73	56	100	70	180	240
FTT 15		16UNF											226	260

## ACCESSORI / OPTIONALS

Tubo di scarico per filtri FTT  
Clearance tube for FTT filter



## CODICE PER ORDINAZIONE / HOW TO ORDER

S A 34 G 100 — Lunghezza  
Length

Versione Version	Tipo Type	Dimensioni / Dimensions		G N	Filetto GAS Thread GAS Filetto NTP Thread NTP
		A	L = Lunghezza / Length		
A Versione A Version A	34	3/4"	a richiesta upon request	G	Filetto GAS Thread GAS
V Versione B Version B	112	1 1/2"	a richiesta upon request	N	Filetto NTP Thread NTP

La caduta di pressione completa si ottiene sommando la caduta di pressione del corpo filtro e quella dell'elemento filtrante.

### Cadute di pressione nel corpo filtro

Le curve sono valide con olio minerale avente massa volumica di 860 kg/m<sup>3</sup>. La caduta di pressione è proporzionale alla massa volumica.

### Cadute di pressione negli elementi filtranti

Le curve sono valide con olio minerale avente viscosità cinematica di 30 cSt. La variazione di caduta di pressione è proporzionale alla viscosità cinematica.

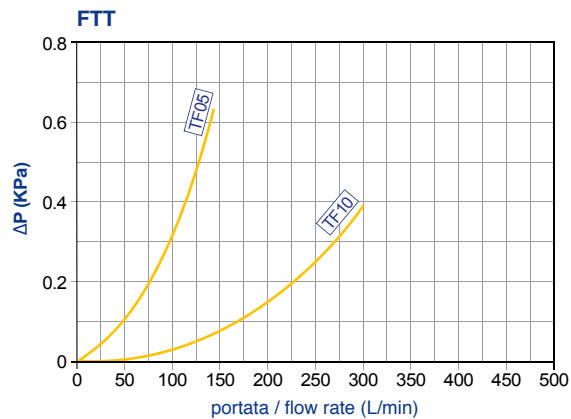
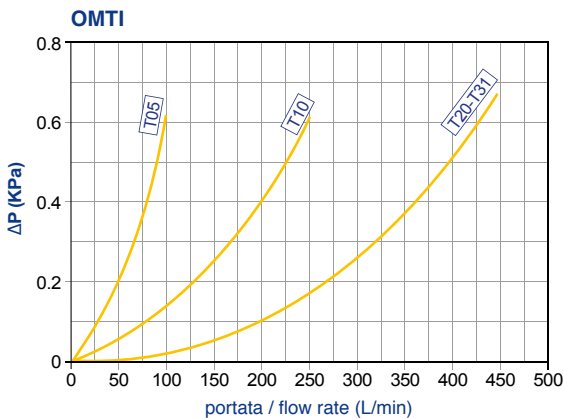
The pressure drop of the complete filter is calculated by adding the pressure drop of the housing to that of the filter element.

### Pressure drops in the housing

The graphics refer to the use of mineral oil with a mass density of 860 kg/m<sup>3</sup>. The pressure drop is proportional to the variations of mass density.

### Pressure drops in the filter elements

The graphics refer to mineral oil with a kinematic viscosity of 30 cSt. The variation of the pressure drop is proportional to the kinematic viscosity.

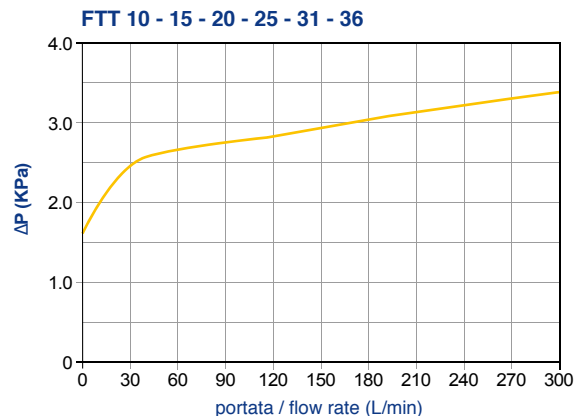
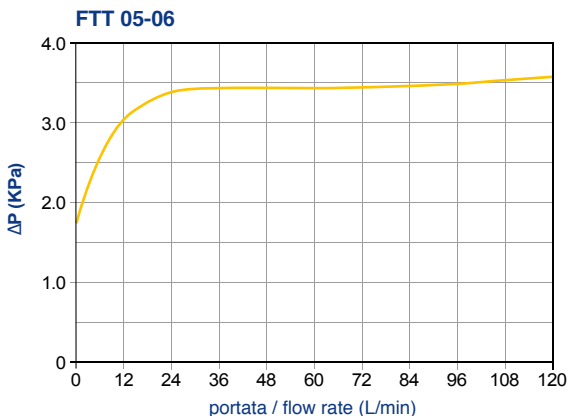
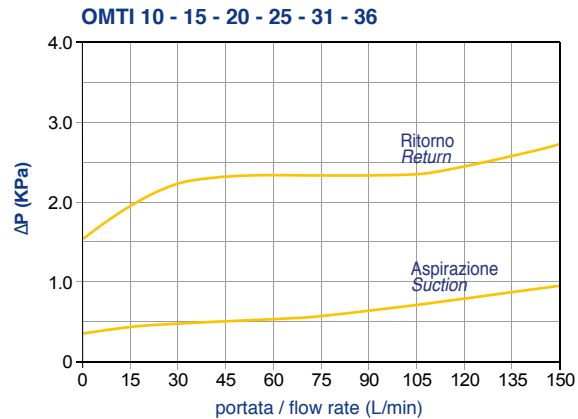
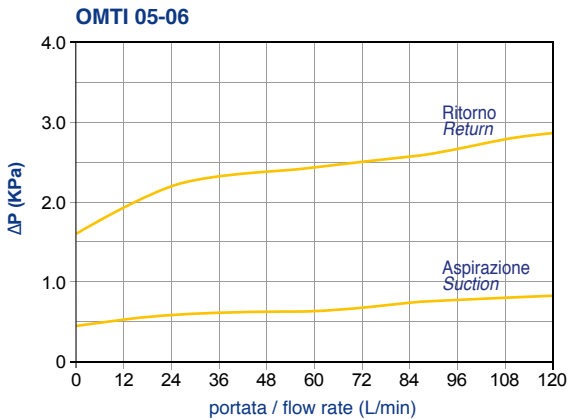


### CADUTA DI PRESSIONE DELLA VALVOLA BY-PASS

Le curve sono valide con olio minerale avente massa volumica di 860 kg/m<sup>3</sup>. La caduta di pressione è proporzionale alla massa volumica.

### PRESSURE DROP IN BY-PASS VALVE

The graphics refer to use of mineral oil with a mass density of 860 kg/m<sup>3</sup>. The pressure drop is proportional to the variations of mass density.



### CADUTE DI PRESSIONE ELEMENTI FILTRANTI FILTER ELEMENT PRESSURE DROP

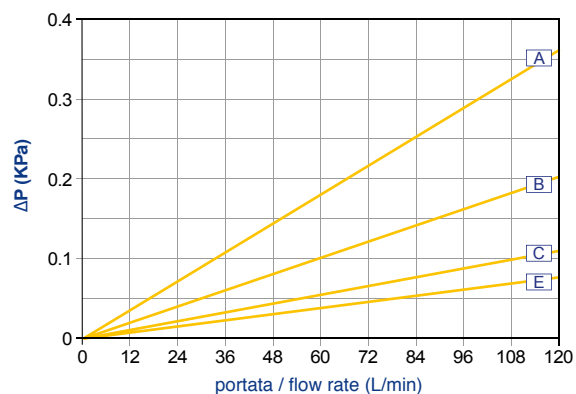
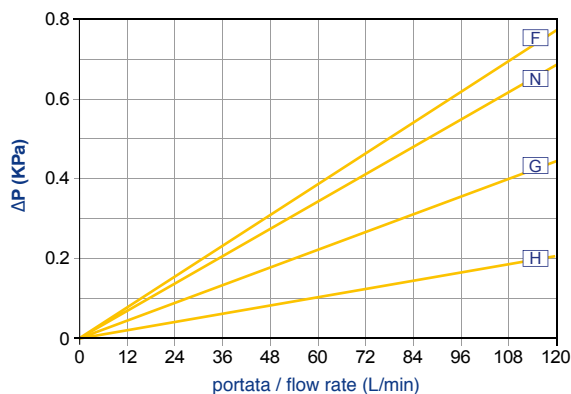
Le curve sono valide con olio minerale avente viscosità cinematica di 30 cSt.

La variazione di caduta di pressione è proporzionale alla viscosità cinematica.

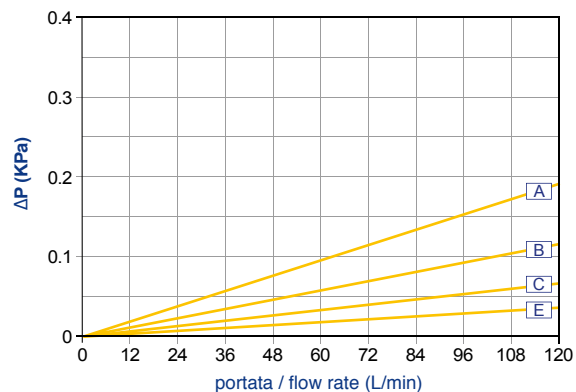
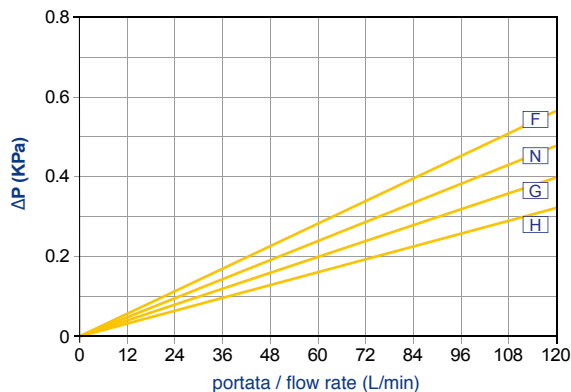
The graphics refer to mineral oil with a kinematic viscosity of 30 cSt.

The variation of the pressure drop is proportional to viscosity.

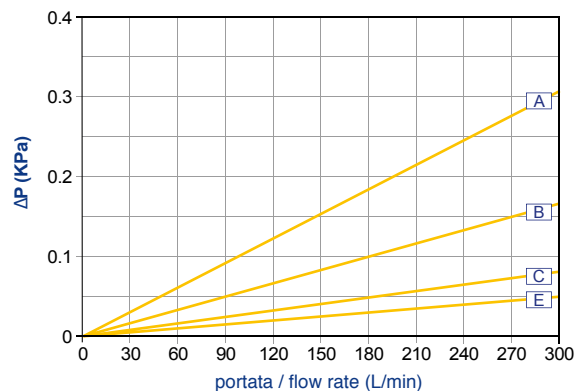
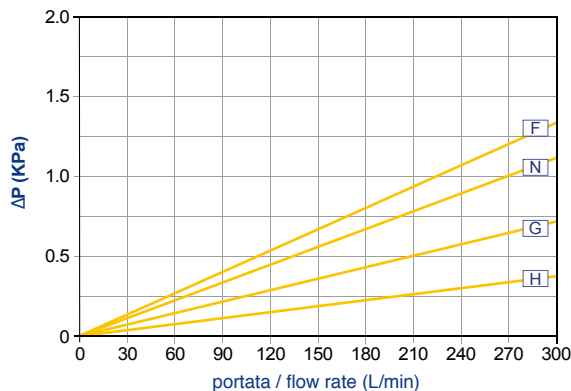
CS 05 - CSM 05



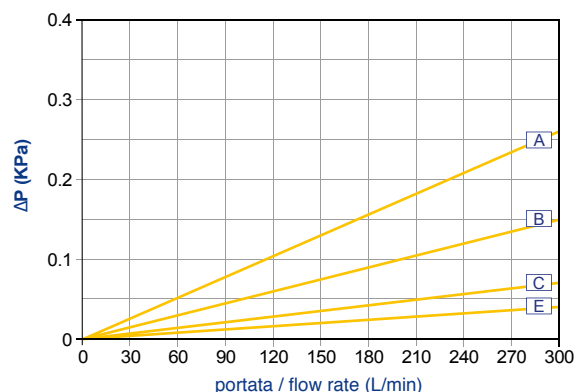
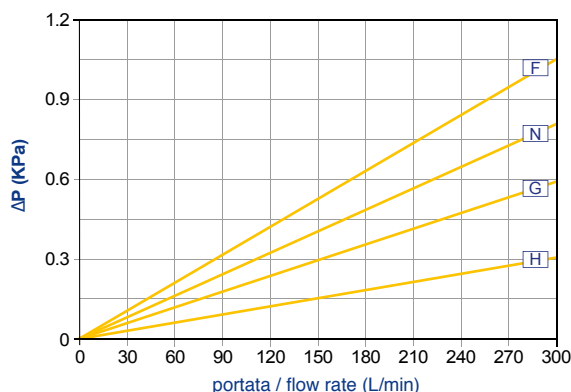
CS 06 - CSM 06



CS 10 - CSM 10



CS 15 - CSM 15



# OMTI 05 A N R

Serie / Series	
OMTI	Filtro in linea completo Complete line filter
FTT	Filtro sul ritorno completo Return complete filter

Guarnizioni / Seals	
N	Nitrilica Buna - N
V	Vilton

Valvola by-pass / By pass valve	
A	By-pass in aspirazione solo per OMTI-CS Suction by-pass only for OMTI-CS
R	By-pass sul ritorno / Return by-pass
S	Senza by-pass / Without by-pass

Elemento filtrante / Filter elements	
A	10 µm Carta trattata con resine Bx ≥2 Resin treated cellulose Bx ≥2
B	25 µm Carta trattata con resine Bx ≥2 Resin treated cellulose Bx ≥2
C	60 µm Rete a maglia quadra (Aisi 304) Square mesh (Aisi 304)
E	125 µm Rete a maglia quadra (Aisi 304) Square mesh (Aisi 304)
F	3 µm Fibre inorganiche Bx ≥200 Inorganic fibre Bx ≥200
G	10 µm Fibre inorganiche Bx ≥200 Inorganic fibre Bx ≥200
H	25 µm Fibre inorganiche Bx ≥200 Inorganic fibre Bx ≥200
N	6 µm Fibre inorganiche Bx ≥200 Inorganic fibre Bx ≥200

Grandezza nominale / Nominal size		
	OMTI	FTT
05	3/4"	3/4"
06		
10	1 1/4"	1 1/2"
15		
20	1 1/2"	
25		
31	Flangia Flange	
36	SAE	

**Codice per l'ordinazione delle cartucce e testine di ricambio  
How to order replacement elements and filter head**

# Cartuccia / Cartridge CS 05 A N R

Da indicare solo per la serie CSM  
To indicate only for series CSM

Cartuccia Serie / Cartridge series	
CS	Filtro in linea OMTI In line filter OMTI
CSM	Filtro sul ritorno FTT Return filter FTT

Grandezza nominale / Nominal Size	
05	N. 1 per filtro OMTI e FTT for filter OMTI and FTT
06	N. 1 per filtro OMTI 10 e FTT 10 for filter OMTI 10 and FTT 10
10	N. 1 per filtro OMTI 10 e FTT 10 for filter OMTI 10 and FTT 10
	N. 2 per filtro OMTI 20 e OMTI 31 for filter OMTI 20 and OMTI 31
15	N. 1 per filtro OMTI 15 e FTT 15 for filter OMTI 15 and FTT 15
	N. 2 per filtro OMTI 25 e OMTI 36 for filter OMTI 25 and OMTI 36

-	
I	Predisposizione attacco indicatore differenziale valido solo per T20 e T31 Differential indicators connections T20 and T31 only

# Testina / Head T 05 VO R - I

Da indicare solo per la serie T  
To indicate only for series T

Testina serie / Head series	
T	Filtro in linea OMTI In line filter OMTI
TF	Filtro sul ritorno FTT Return filter FTT

Grandezza nominale / Nominal Size	
05	per filtri OMTI 05 - 06 for filters FTT 05 - 06
10	per filtri OMTI 10 - 15 for filters FTT 10 - 15
20	per filtri OMTI 20 - 25 for filters FTT 20 - 25
31	per filtri OMTI 31 - 36 for filters FTT 31 - 36

Tipo di attacchi / Linkage type	
VO	Standard
VX	A richiesta Upon request

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