La serie di filtri APM è indicata per utilizzi in linee in pressione fino a 110bar; hanno due grandezze, con portate fino a 60L/min.
Il grado di filtrazione si spinge fino a 3 micron.
Testina e contenitore sono realizzati in alluminio temprato.
Massima portata nominale: 60 L/min.
Massima pressione di esercizio: 110 bar.

The series of filters APM is suitable for pressure lines until 110bar; they have two sizes, with oil flow up to 60L/min.
The degree of filtration is until 3 micron; head and body are made of aluminum tempered.
Maximum nominal flow: 60 L/min.
Maximum pressure: 110 bar.

Trust it

APM (110 bar)

FILTRI IN LINEA
A MEDIA PRESSIONE

MEDIUM PRESSURE
IN LINE FILTERS



APM CARATTERISTICHE DIMENSIONALI
SIZE FEATURES

MATERIALI (corpo)

- Attacchi filettati gas cilindrico secondo UNI 388
- Testina e contenitore eseguite in alluminio temperato

MATERIALS (housing)

- BSP threads as UNI 388
- Head and body in alu-tempered alloy

CONDIZIONI DI ESERCIZIO

Pressioni corpo filtro	Pressione massima di esercizio: 110 bar Pressione massima di collaudo: 220 bar
Temperatura d'esercizio	da -25°C a +110°C
Valvola by-pass	tarata a 6 bar
Compatibilità con i liquidi - ISO 2943	Compatibili con oli minerali tipo (HH,HM,HR,HV,HG secondo ISO 6743/4)

WORKING CONDITIONS

Filter pressure	Max. working pressure: 110 bar Max. test pressure: 220 bar
Working temperature	from -25°C to +110°C
By-pass valve	setting to 6 bar
Compatibily with hydraulic fluids ISO 2943	Compatible with mineral oils type (HH,HM,HR,HV,HG according to ISO 6743/4)

ELEMENTI FILTRANTI

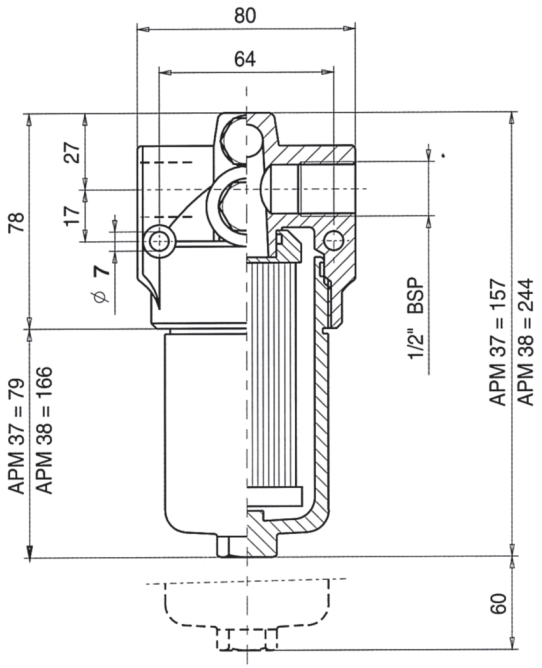
- A.B. in microcarta trattata con resina stabilizzata con grado di filtrazione 10 e 25 micron ßx(c)≥2
- C in rete metallica con grado di filtrazione 60 micron nominali
- F, G, H in microfibre inorganiche rinforzate con grado di filtrazione 3, 6, 10, 25 micron ßx(c)≥75
- L, M in tela d'acciaio con gradi di filtrazione 10 e 20 micron
- Pressione differenziale di collasso 20 bar secondo ISO 2941

Conformità di fabbricazione secondo ISO 2942
Efficenza filtrante multipass-test secondo ISO 16889

FILTER ELEMENTS

- A and B in micropaper treated with resin stabilized filtration degree 10 and 25 micron ßx(c)≥2
- C in steel with filtration degree 60 micron
- F and G and H in micro inorganic fibres, filtration 3, 6, 10, 25 micron ßx(c)≥75
- L and M in steel with filtration degree 10 and 20 micron
- Differential collapse pressure 20 bar as per ISO 2941

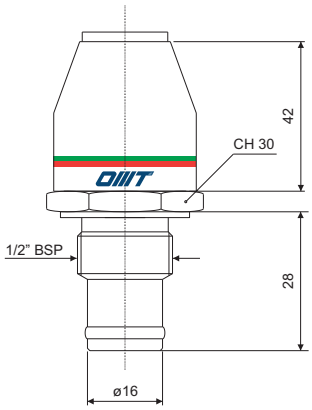
Produced as per ISO 2942
Filtration efficiency multi-pass as per ISO 16889



Tipo Type	Portata max Max delivery l/min	Superficie filtrante / Filtration surface dm²								Peso Weight g
		A	B	C	F	G	H	L	M	
APM 37	60	2,4	2,4	3,14	3,36	3,36	3,36	3,14	3,14	950
APM 38	90	4,95	4,95	6,42	6,88	6,88	6,88	6,42	6,42	1250

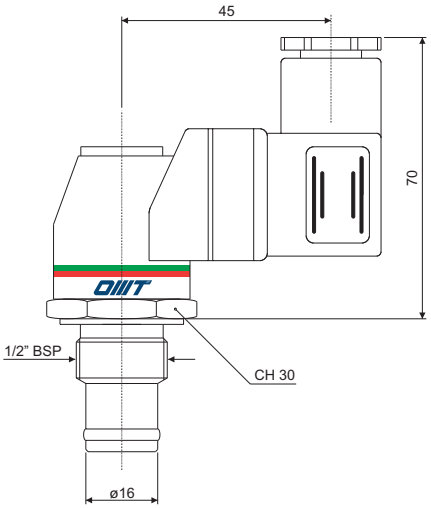
DV500
DV500M

Indicatore visivo
Visual Indicator



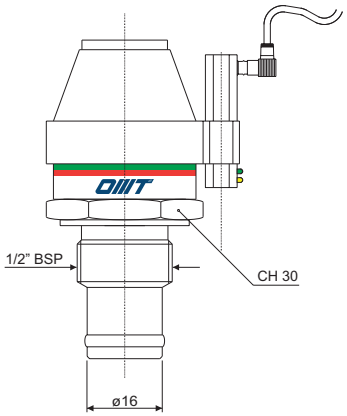
DE500*
DE500M

Indicatore visivo-elettrico
Electrical visual Indicator



DR500*
DR 500M

Indicatore visivo-elettrico
con contatti REED
Electrical visual Indicator
with REED contacts



(*) Protection IP65 connector DIN 43650

Contatti in scambio con i seguenti valori
Exchange contacts with the following values:

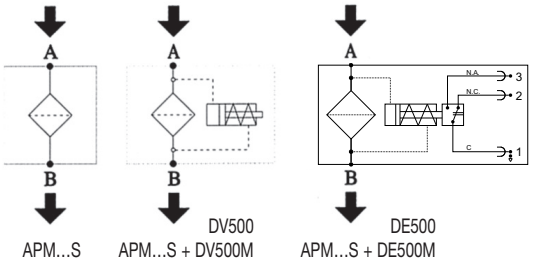
Tensione di aliment. Voltage supply (V)	Carico resistivo Resistive charge (A)	Carico induttivo Inductive charge (A)
C.A. 125	5	5
C.A. 250	5	5
C.C. 15	10	10
C.C. 30	5	5
C.C. 50	1	1
C.C. 125	0.5	0.06

Gli indicatori visivi sono disponibili:
- con filettatura M20x1.5 (DV…M) e filettatura 1/2" BSP (DV…)
- con contatti ad ampolla "Reed" (DR131M e DR131)

Visual indicators are available:
- with threads M20x1.5 (DV…M) and threads 1/2" BSP (DV…)
- with "Reed" contacts (DR131M and DR131)

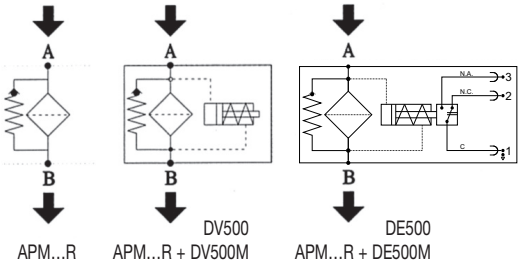
SIMBOLOGIA / SIMBOLOGY

Senza by-pass - Without by-pass



APM...S | APM...S + DV500M | APM...S + DE500M

Con by-pass - With by-pass



APM...R | APM...R + DV500M | APM...R + DE500M

APM CADUTE DI PRESSIONE *PRESSURE DROPS*

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^3. La caduta di pressione è proporzionale alla massa volumica.

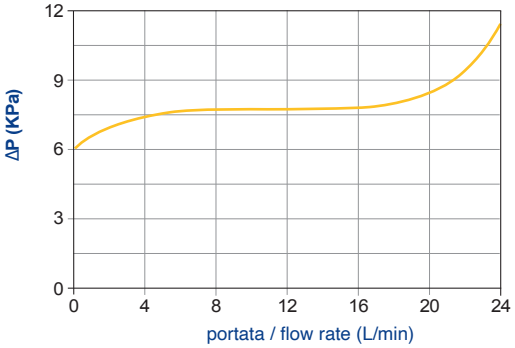
Cadute di pressione negli elementi filtranti
Le curve sono valide con olio minerale avente viscosità cinematica di 30 cSt. La variazione di caduta di pressione è proporzionale alla viscosità cinematica.

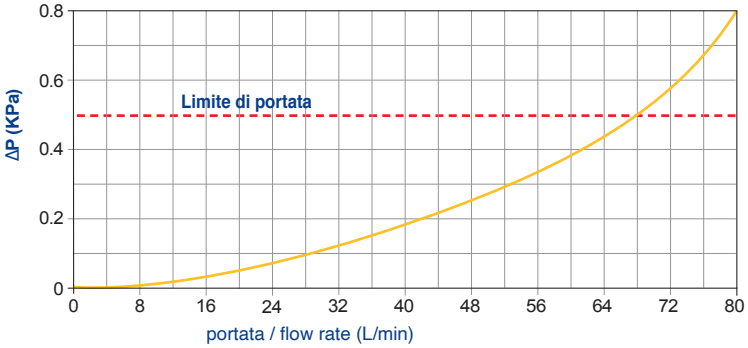
The pressure drop of the complete filter is calculated by adding the pressure drop of the housing to that of the filter element.

Pressure drops in the housing
The graphics refer to the use of mineral oil with a mass density of 860 kg/m^3. 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.

APM 37 - APM 38

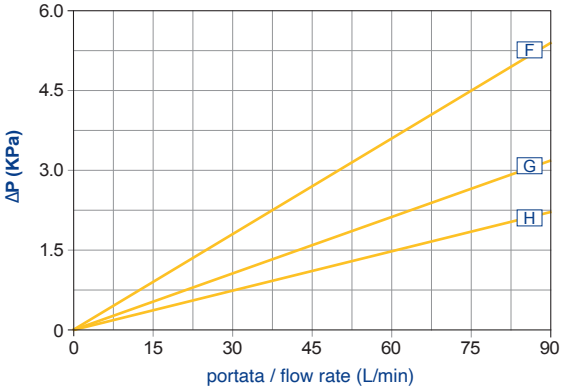


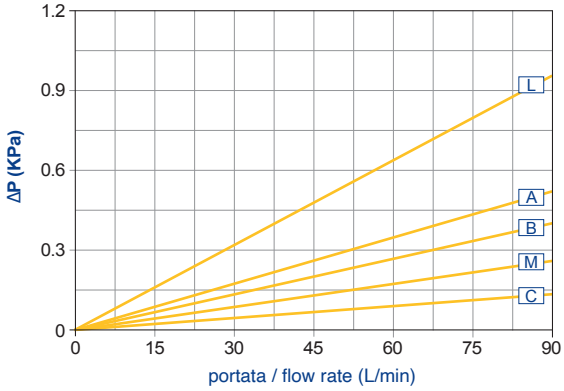


Caduta di pressione nelle valvole by-pass
Le curve sono valide con olio minerale avente massa volumi-ca di 860 kg/m3. La caduta di pressione è proporzionale alla massa volumica.

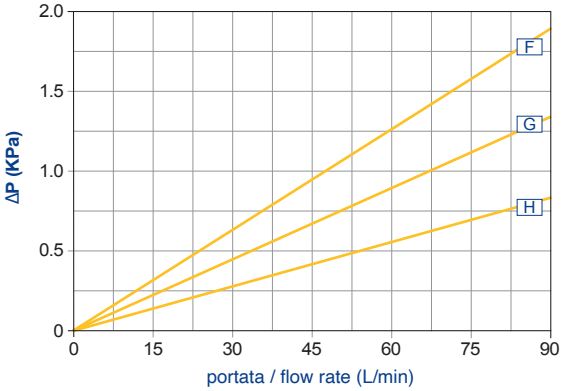
Pressure drop in by-pass valves
The graphics refer to use of mineral oil with a mass density of 860 kg/m3. The pressure drop is proportional to the varia-tions of mass density.

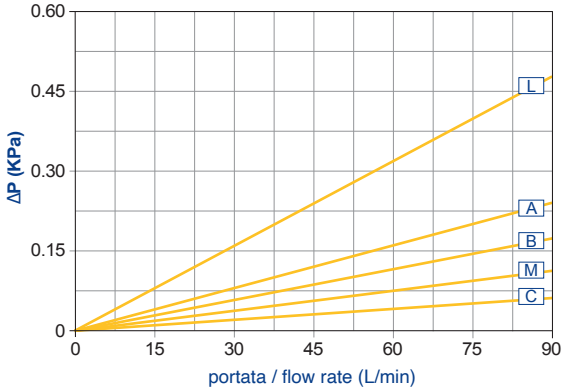
CMP 37





CMP 38





APM 37 A N R

Serie
Series

APM	Filtro completo Complete filter
CPM	Elementi di ricambio Replacemtent element

Grandezza nominale
Normal size

37

38

Elemento filtrante
Filter elements

-	Senza elemento filtrante Without filtration elements
A	10 µm Carta trattata con resine ßx(c)≥2 Resin treated cellulose 10 µm ßx(c)≥2
B	25 µm Carta trattata con resine ßx(c)≥2 Resin treated cellulose 25 µm ßx(c)≥2
C	60 µm Tela meccanica Steel mesh 60 µm
F	3 µm Fibre inorganiche ßx(c)≥75 Inorganic fibre 3 µm ßx(c)≥75
G	10 µm Fibre inorganiche ßx(c)≥75 Inorganic fibre 10 µm ßx(c)≥75
H	25 µm Fibre inorganiche ßx(c)≥75 Inorganic fibre 25 µm ßx(c)≥75
L	10 µm Tela meccanica inox Steel cloth 10 µm
M	20 µm Tela meccanica inox Steel cloth 20 µm
N	6 µm Fibre inorganiche ßx(c)≥75 Inorganic fibre 6 µm ßx(c)≥75

Guarnizioni
Seals

N	Nitrilica Buna-N

Valvola by-pass
By-pass valve

S	senza by-pass without by-pass
R	By-pass Δp 6 bar By-pass Δp 6 bar

Codice per l'ordinazione degli elementi di ricambio
How to order the replacement elements

CPM 37 A N