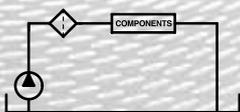


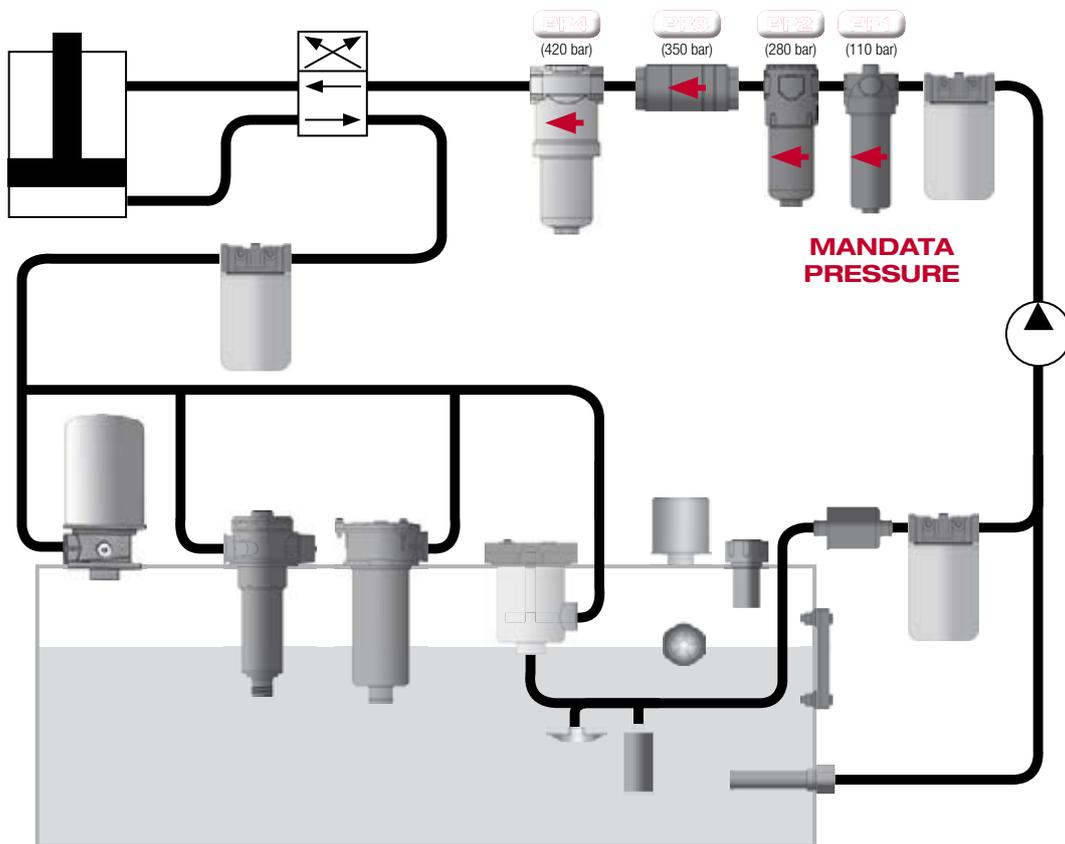
Filtri in linea per media ed alta pressione

SERIE PF 1-2-3-4



Filtri in mandata
Delivery filters
Drückfilter
Filtres refoulement
Filtros presion

- GB** Medium & high pressure in-line filters
- D** Mittel & Hochdrückleitungsfilter
- FR** Filtres en ligne a moyenne et haute pression
- ES** Filtros en linea a media y alta presion



IT I filtri serie PF1-PF2-PF3-PF4 vengono utilizzati per montaggio in linea (mandata) lungo il circuito oleodinamico a media ed alta pressione (da 110 a 420 bar), per proteggere i componenti del sistema dalla contaminazione. Questa tipologia di filtri in mandata è indispensabile su circuiti oleodinamici sofisticati e capaci di elevate prestazioni, per i quali è necessaria la massima garanzia di protezione dei componenti sensibili situati a valle del filtro. Si tratta di filtri molto versatili, studiati per le più svariate applicazioni: macchine utensili, agricole, movimento terra, veicoli industriali, applicazioni mobili e stazionarie in genere. Sono disponibili diversi modelli per soddisfare tutte le esigenze, dalle piccole alle grandi portate, con diversi elementi filtranti tali da garantire la massima protezione del circuito.

GB PF1-PF2-PF3-PF4 series filters are used in-line (pressure) mounting on medium and high pressure hydraulic circuit (from 110 up to 420 bar), to protect system's components from contamination. This kind of filters is essential on sophisticated hydraulic systems capable of high performances, for which it is necessary to guarantee maximum protection for sensitive components, downstream the filter. It is a very versatile series of filters, designed for various applications: tools, agricultural and earthmoving machines, industrial vehicles, mobile and stationary applications in general. There are several models to meet all needs, from small to large flows, with different filter elements in order to ensure maximum protection to the circuit.

D Die Filter der Serie PF1-PF2-PF3-PF4 werden in Mittel- und Hochdruck-Hydraulikleitungen verbaut, um die Systemkomponenten vor Verschmutzung zu schützen. Diese Art Filter ist unentbehrlich für Hochleistungs-Hydrauliksysteme, um maximalen Schutz der empfindlichen Bauteile zu gewährleisten. Die Filterserie findet in den verschiedensten Bereichen Verwendung: In Werkzeugen, Landwirtschaftlichen Fahrzeugen und Maschinen, Baufahrzeugen und -Maschinen, Industriefahrzeugen oder in allgemeinen mobilen- und stationären Anwendungen. Wir bieten Ihnen Modelle in großer Auswahl (kleine bis große Durchflussmengen, verschiedene Filtereinsätze), um auch speziellsten Bedürfnissen gerecht zu werden und Ihre Hydraulikschaltungen jederzeit bestmöglich zu schützen.

FR La série de filtres PF1-PF2-PF3-PF4 sont utilisés montés en ligne (pression) sur le circuit hydraulique a moyenne et haute pression, pour protéger de la contamination les composants du système. Ce type de filtre est essentiel pour les systèmes hydrauliques sophistiqués et capables de performances élevées, pour lesquelles il est nécessaire garantir une protection maximale des composants sensibles en aval du filtre. C'est une série très polyvalent de filtres, conçus pour diverses applications: machines outils, agricoles et de chantiers, véhicules industriels, applications mobiles et stationnaires en général. Il existe plusieurs modèles pour répondre à tous les besoins, pour débits petits ou grands, avec différents éléments filtrants, afin d'assurer une protection maximale du circuit.

ES Los filtros serie PF1-PF2-PF3-PF4 se utilizan para la línea de montaje (presión) a lo largo del circuito hidráulico a presión media y alta (110 a 420 bar), para proteger los componentes del sistema de la contaminación. Este tipo de filtro es esencial para los sofisticados sistemas hidráulicos capaces de alto rendimiento, para el que es necesario garantizar la máxima protección de componentes sensibles después del filtro. Se trata de filtros muy versátiles estudiados para las mas variadas aplicaciones: máquina herramienta, agrícola, obra pública, vehículos industriales, aplicaciones móviles y estacionarias en general. Están disponibles diversos modelos para satisfacer todas las exigencias, desde pequeños a grandes caudales, con distintos elementos filtrantes tales que garanticen la máxima protección del circuito.

SERIE PF1 (max. 110 bar)

IT Filtri in linea a media pressione (max. 110 bar)

CARATTERISTICHE TECNICHE:

- Testata: fusione di alluminio anodizzato.
- Corpo filtro: fusione di alluminio anodizzato.
- Valvola by-pass: Apertura differenziale 6 bar.
- Attacchi disponibili standard: 1/2" bspp. Filettature speciali su richiesta.
- Elementi filtranti disponibili standard: 5-10-25 Micron abs. Microfibra / 10-25 Micron nom. carta. Altre filtrazioni su richiesta.
- Guarnizioni: standard Buna-N. Su richiesta Viton.
- Temperatura esercizio: da -30°C a +90°C (+110°C Viton).
- Portata massima: 90 l/min.
- Pressione di esercizio: 110 bar. Pressione di scoppio: 300 bar.
- Pressione di collasso cartuccia: 21 bar.
- Resistenza a fatica: > 800'000 cicli (0÷110 bar).
- Test eseguiti secondo normative: ISO 2941 / ISO 3724 / ISO 3968.

GB Medium pressure in-line filters (max. 110 bar)

TECHNICAL FEATURES:

- Head: anodized aluminium die-casting.
- Filter body: anodized aluminium die-casting.
- By-pass valve: Differential opening 6 bar.
- Standard available threads: 1/2" bspp. Other threads upon request.
- Standard available filter elements: 5-10-25 Micron abs. microfiber / 10-25 Micron nom. paper. Other filter elements upon request.
- Seals: Buna-N standard. Viton upon request.
- Operating temperature: -30°C +90°C (+110°C Viton).
- Maximum flow rate: 90 l/min.
- Operating pressure: 110 bar. Burst pressure: 300 bar.
- Element collapse pressure: 21 bar.
- Fatigue resistance: > 800'000 cycles (0÷110 bar).
- Tested according standards: ISO 2941 / ISO 3724 / ISO 3968.

D Mitteldrückeleitungsfilter (max. 110 bar)

TECHNISCHE DATEN:

- Kopf: eloxiertem Aluminium-Druckguss.
- Filtergehäuse: eloxiertem Aluminium-Druckguss.
- By-pass Ventil: Differenzdrückeröffnung 6 bar.
- Standard verfügbaren Anschlüssen: 1/2" bspp. Weitere Gewinde auf Anfrage erhältlich
- Standard verfügbaren Filterelemente: 5-10-25 Mikron abs. Mikrofaser / 10-25 Mikron nom. Papier. Weitere Materialien auf Anfrage erhältlich.
- Dichtungen: Buna-N Standard. Viton auf Wunsch.
- Betriebstemperatur: von -30°C bis +90°C (+110°C Viton).
- Max. Durchfluß: 90 l/min.
- Betriebsdruck: 110 bar. Berstdruck: 300 bar.
- Patronenkollapsdrücke: 21 bar.
- Ermüdungswiderstand: > 800'000 Zyklen (0÷110 bar).
- Test nach Normen: ISO 2941 / ISO 3724 / ISO 3968.

FR Filtres en ligne a moyenne pression (max. 110 bar)

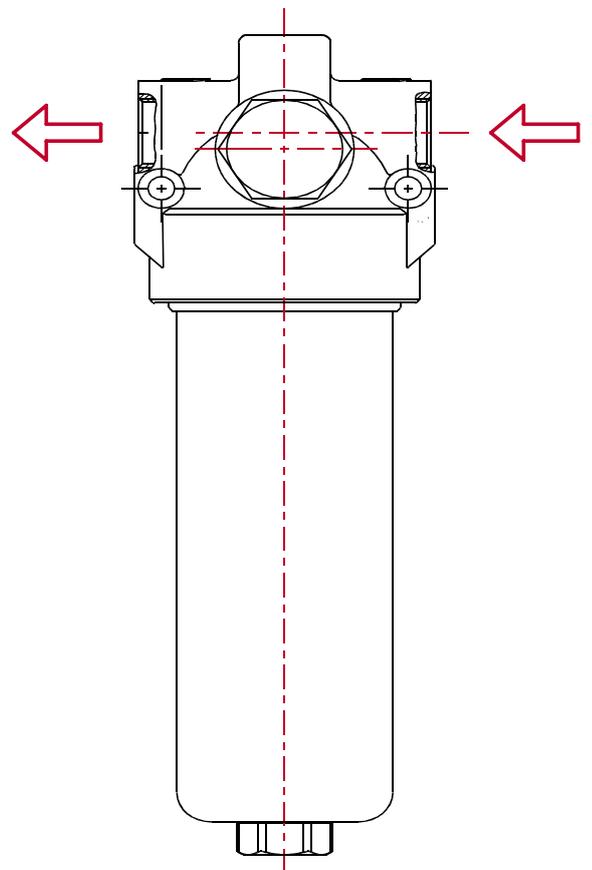
CARACTERISTIQUES TECHNIQUES:

- Tête: fusion d'aluminium anodisé.
- Corp du filtre: fusion d'aluminium anodisé.
- Clapet by-pass: Ouverture différentiel 6 bar.
- Connexions standard disponibles: 1/2" bspp. Filetages spéciaux sur demande.
- Eléments filtrants standard disponibles: 5-10-25 Micron abs. en microfibres / 10-25 Micron nom. papier. Autres filtrations sur demande.
- Joints: Buna-N standard. Viton sur demande.
- Temperature de travaille: de -30°C à +90°C (+110°C Viton).
- Débits max.: 90 l/min.
- Pression de service: 110 bar. Pression d'éclatement: 300 bar.
- Pression d'écrasement élément filtrant: 21 bar.
- Résistance à fatigue: > 800'000 cycles (0÷110 bar).
- Test selon standards: ISO 2941 / ISO 3724 / ISO 3968.

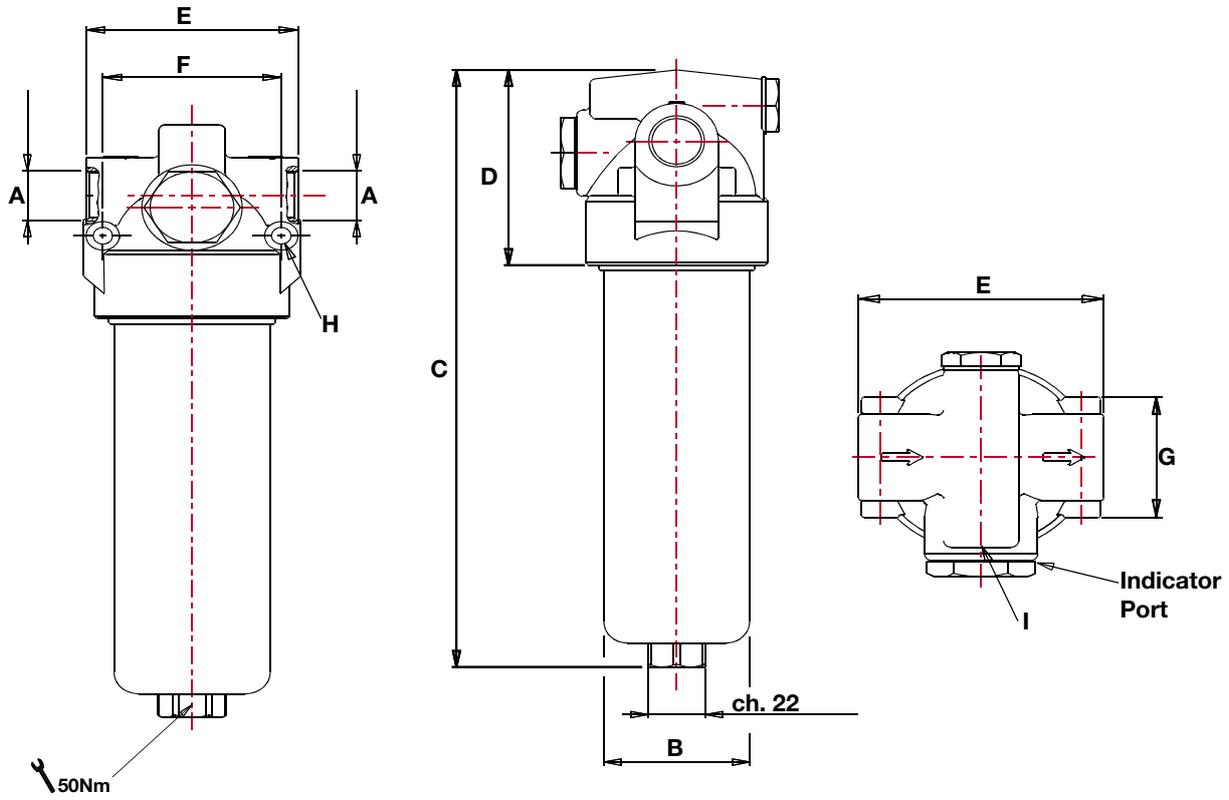
ES Filtros en linea a media presión (max. 110 bar)

CARACTERÍSTICAS TÉCNICAS:

- Cabeza filtro: fundición de aluminio anodizado.
- Cuerpo filtro: fundición de aluminio anodizado.
- Válvula de by-pass: Apertura diferencial 6 bar.
- Conexiones disponibles estándar: 1/2" bspp. Rosca especial bajo pedido.
- Elemento filtrante disp. estándar: 5-10-25 Micron abs. en microfibra / 10-25 Micron nom. papel. Otras filtraciones bajo pedido.
- Juntas: estándar Buna-N. Bajo pedido Viton.
- Temperatura de trabajo: de -30°C a +90°C (+110°C Viton).
- Max. caudal: 90 l/min
- Presión de trabajo: 110 bar. Presión de rotura: 300 bar
- Presión de colapso del cartucho: 21 bar.
- Resistencia a la fatiga: > 800'000 ciclos (0÷110 bar).
- Prueba realizada según normativa: ISO 2941 / ISO 3724 / ISO 3968.



PF11-12

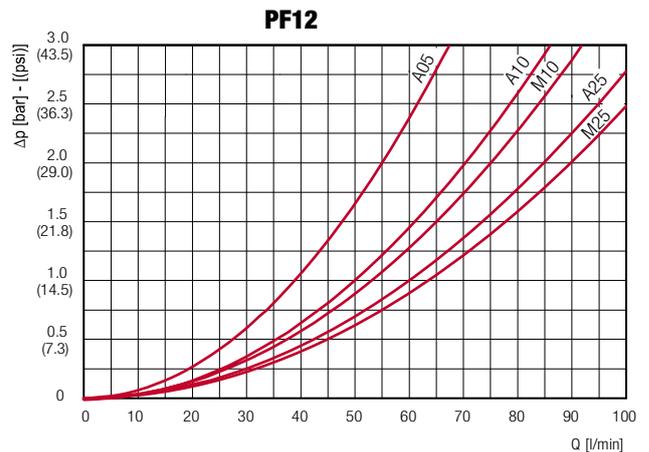
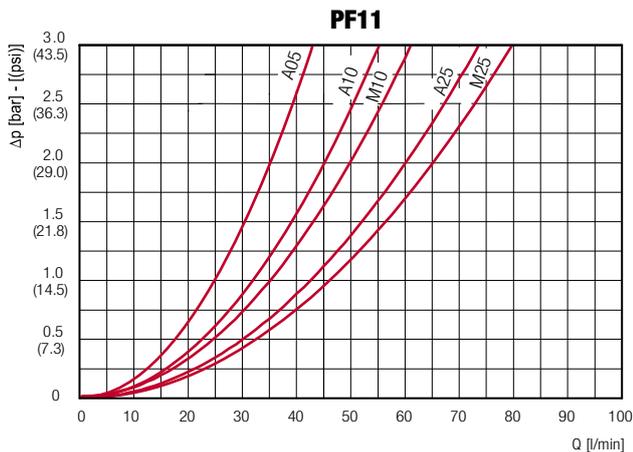


FILTRO COMPLETO MEDIA PRESSIONE 110 bar - MEDIUM PRESSURE COMPLETE FILTER 110 bar

DIMENSIONI mm - DIMENSIONS mm										PESO - WEIGHT
Mod.	A	B	C	D	E	F	G	H	I	Kg.
PF11	1/2" bspp	56	158	80	76	64	45	Ø 7	M20x1,5	1,00
PF12	1/2" bspp	56	248	80	76	64	45	Ø 7	M20x1,5	1,30

PERDITA DI CARICO DEL FILTRO COMPLETO:

COMPLETE FILTER'S PRESSURE DROP



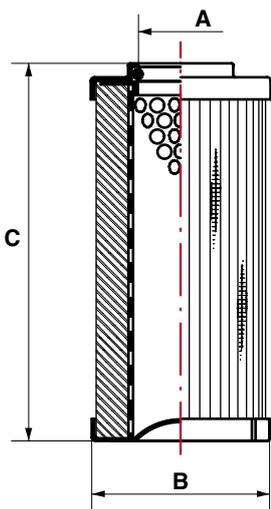
COME ORDINARE UN FILTRO COMPLETO:

HOW TO ORDER A COMPLETE FILTER:

PF1	1	A10	D	B	
110 bar	Vedi tabella pag. 53 See table page 53	ΔP 21 bar	D 1/2" bspp	con by-pass taratura 6 bar with by-pass setting 6 bar	senza without
A05	MICROFIBRA 5μm abs 5μm MICROFIBERGLASS abs	A10	MICROFIBRA 10μm abs 10μm MICROFIBERGLASS abs	B	J Differenziale visivo Visual differential
A25	MICROFIBRA 25μm abs 25μm MICROFIBERGLASS abs	M10	CARTA RINF. 10μm nom. 10μm REINF. PAPER nom.	S	K Elettrico diff. visivo Visual electr. differential
M25	CARTA RINF. 25μm nom. 25μm REINF. PAPER nom.			senza by-pass without by-pass	

COME ORDINARE LA CARTUCCIA DI RICAMBIO:

HOW TO ORDER THE REPLACEMENT ELEMENT:



PE1	.	1	A10	
Dimensioni mm Dimensions mm			PF11	PE1.1
			PF12	PE1.2
Mod.	A	B	C	
PE1.1	22,8	42	89	
PE1.2	22,8	42	178	
				standard NBR
V				Viton (su richiesta) Viton (upon request)

Portate PF1**

Portate in l/min. rievate con
Dp=2 bar

PF1 flow rates**

Flow rate in l/min. measured with
Dp=2 bar

Filtredurchfluß PF1**

Filterdurchfluß in l/min. gemessen
bei Dp=2 bar

Débits PF1**

Débits en l/min. mesurés avec
Dp=2 bar

Caudales PF1**

Débits en l/min. mesurés avec
Dp=2 bar

ELEMENTO FILTRANTE FILTERING ELEMENT		MICROFIBRA / FIBERGLASS			CARTA / PAPER	
Mod.	FILETTO THREAD BSPP	A05 5 MICRON ABS	A10 10 MICRON ABS	A25 25 MICRON ABS	M10 10 MICRON NOM	M25 25 MICRON NOM
PF11	1/2"	35	45	60	50	65
PF12	1/2"	55	70	85	75	90

** Portate rilevate con olio avente viscosità cinematica di 30 cSt e densità 0.86 kg/dm³

** Flow rates measured with oil with 30 cSt kinematic viscosity and 0.86 kg/dm³

• Compatibilità con fluidi: oli minerali (HH-HL-HM-HR-HV-HG) e fluidi sintetici (HS-HFDR-HFDU-HFDS).

• Fluid compatibility: mineral oil (HH-HL-HM-HR-HV-HG) and synthetic fluids (HS-HFDR-HFDU-HFDS).

**Capacità d'accumulo
Cartucce PE1
(ISO MTD)**

Δp=5 bar

**PE1 element
dirt holding capacity
(ISO MTD)**

Δp=5 bar

**Element PE1
Schmutz-
sammelkapazität
(ISO MTD)**

Δp=5 bar

**Capacité
d'accumulation
cartouches PE1
(ISO MTD)**

Δp=5 bar

**Capacidad de
retención cartuchos
PE1 (ISO MTD)**

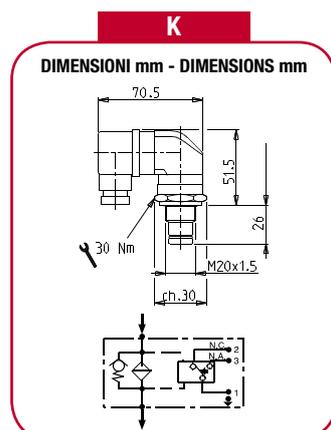
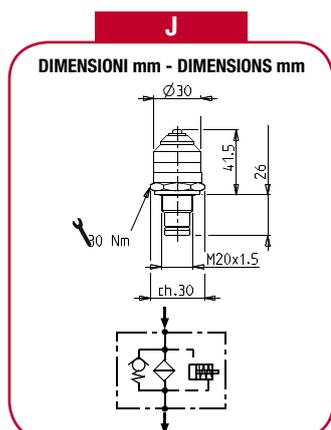
Δp=5 bar

ELEMENTO FILTRANTE FILTERING ELEMENT			MICROFIBRA / FIBERGLASS			CARTA / PAPER	
Mod.	C mm	SUPERFICIE FILTRANTE FILTERING SURFACE cm ²	A05 5 MICRON ABS gr	A10 10 MICRON ABS gr	A25 25 MICRON ABS gr	M10 10 MICRON NOM gr	M25 25 MICRON NOM gr
HP11	89	300	2,2	2,50	3,70	2,00	3,2
HP12	178	700	4,90	5,20	7,80	4,20	6,70

INDICATORI INTASAMENTO

CLOGGING INDICATORS - VERSCHMUTZUNGSANZEIGEN - INDICATEURS DE COLMAGE -

INDICADORES DE SUCIEDAD



SERIE SERIES	TARATURA SETTING	TIPO TYPE
J	8 bar (no by-pass) 5 bar (by-pass)	Differenziale visivo Visual differential Optisch Differenzdruckanzeige Differential visuel Visual Diferencial
K	8 bar (no by-pass) 5 bar (by-pass)	Elettrico differenziale visivo IP65 - 250Vac Visual electrical differential IP65 - 250Vac Optisch El. Differenzdruckanzeige IP65 - 250Vac Differential visuel el. IP65 - 250Vac Visual Diferencial el. IP65 - 250Vac

SERIE PF2 (max. 300 bar)

IT Filtri in linea a media pressione (max. 300 bar)

CARATTERISTICHE TECNICHE:

- Testata: ghisa sferoidale.
- Corpo filtro: acciaio estruso.
- Valvola by-pass: Apertura differenziale 6 bar.
- Attacchi disponibili standard: 1/2"-3/4"-1" bspp. Filettature speciali su richiesta.
- Elementi filtranti disponibili standard: 3-5-10-25 Micron abs. microfibra. Altre filtrazioni su richiesta.
- Guarnizioni: standard Buna-N. Su richiesta Viton.
- Temperatura esercizio: da -30°C a +90°C (+110°C Viton).
- Portata massima: 170 l/min.
- Pressione di esercizio: 300 bar. Pressione di scoppio: 560 bar.
- Pressione di collasso cartuccia: 21 bar o 210 bar.
- Resistenza a fatica: 1'000'000 cicli (0÷280 bar).
- Test eseguiti secondo normative: ISO 2941 / ISO 3724 / ISO 3968.

DE Medium pressure in-line filters (max. 300 bar)

TECHNICAL FEATURES:

- Head: s.g. cast iron.
- Filter body: forged steel.
- By-pass valve: Differential opening 6 bar.
- Standard available threads: 1/2"-3/4"-1" bspp. Other threads upon request.
- Standard available filter elements: 3-5-10-25 Micron abs. microfiber. Other filter elements upon request.
- Seals: Buna-N standard. Viton upon request.
- Operating temperature: -30°C a +90°C (+110°C Viton).
- Maximum flow rate: 170 l/min.
- Operating pressure: 300 bar. Burst pressure: 560 bar.
- Element collapse pressure: 21 bar or 210 bar.
- Fatigue resistance: 1'000'000 cycles (0÷280 bar).
- Tested according standards: ISO 2941 / ISO 3724 / ISO 3968.

D Mitteldrückeitungsfiler (max. 300 bar)

TECHNISCHE DATEN:

- Kopf: Sphäroguss.
- Filtergehäuse: Kaltfließstahl.
- By-pass Ventil: Differenzdrückeröffnung 6 bar.
- Standard verfügbaren Anschlüsse: 1/2"-3/4"-1" bspp. Weitere Gewinde auf Anfr. erhältlich.
- Standard verfügbaren Filterelemente: 3-5-10-25 Mikron abs. Mikrofaser. Weitere Materialien auf Anfrage erhältlich.
- Dichtungen: Buna-N Standard. Viton auf Wunsch.
- Betriebstemperatur: von -30°C a +90°C (+110°C Viton).
- Max. Durchfluß: 170 l/min.
- Betriebsdruck: 300 bar. Berstdruck: 560 bar.
- Patronekollapsdrücke: 21 bar oder 210 bar.
- Ermüdungswiderstand: 1'000'000 Zyklen (0÷280 bar).
- Test nach Normen: ISO 2941 / ISO 3724 / ISO 3968.

FR Filtres en ligne a moyenne pression (max. 300 bar)

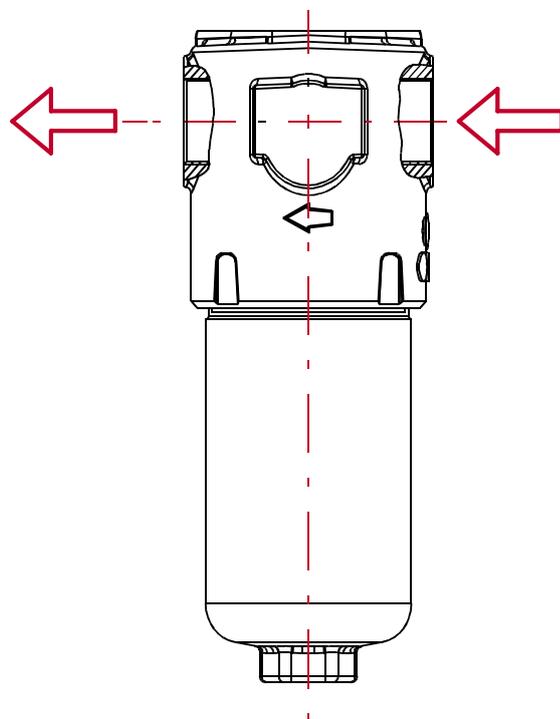
CARACTERISTIQUES TECHNIQUES:

- Tête: fonte sphéroïdal.
- Corp du filtre: acier extrudé.
- Clapet by-pass: Ouverture différentiel 6 bar.
- Connexions standard disponibles: 1/2"-3/4"-1" bspp. Filetages spéciaux sur demande.
- Eléments filtrants standard disponibles: 3-5-10-25 Micron abs. en microfibre. Autres filtrations sur demande.
- Joints: Buna-N standard. Viton sur demande.
- Temperature de travaille: de -30°C a +90°C (+110°C Viton).
- Débits max.: 170 l/min.
- Pression de service: 300 bar. Pression d'éclatement: 560 bar.
- Pression d'écrasement élément filtrant: 21 bar ou 210 bar.
- Résistance à fatigue: 1'000'000 cycles (0÷280 bar).
- Test selon standards: ISO 2941 / ISO 3724 / ISO 3968.

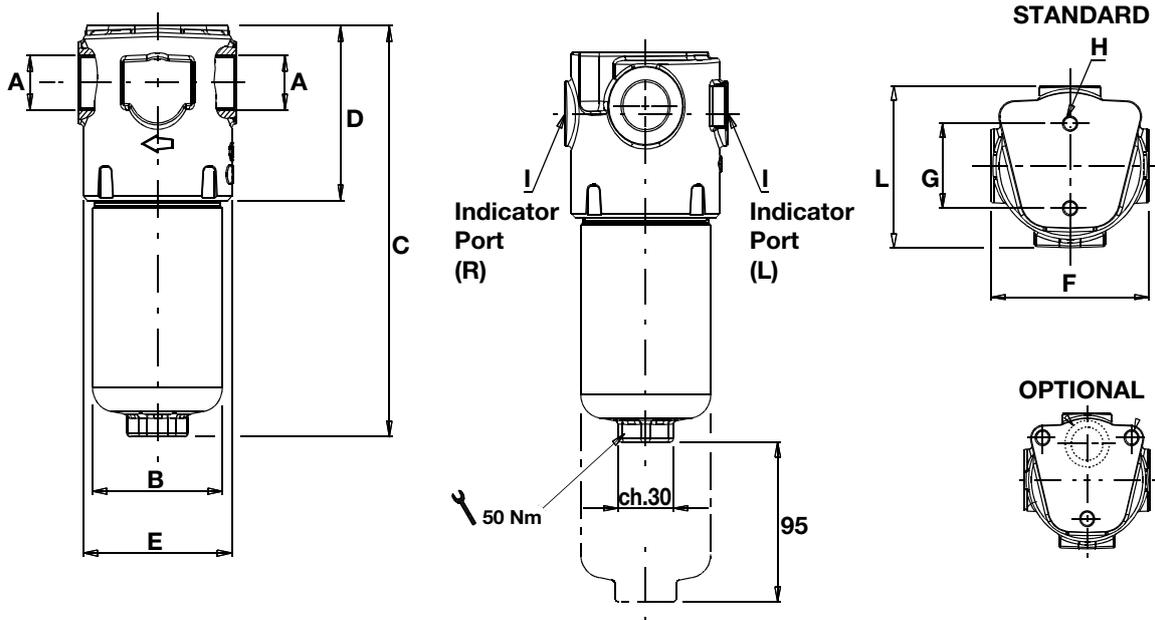
ES Filtros en linea a media presión (max. 300 bar)

CARACTERÍSTICAS TÉCNICAS:

- Cabeza filtro: fundición esferoidal.
- Cuerpo filtro: acero extrusionado.
- Válvula de by-pass: Apertura diferencial 6 bar.
- Conexiones disponibles estándar: 1/2"-3/4"-1" bspp. Rosca especial bajo pedido.
- Elemento filtrante disp. estándar: 3-5-10-25 Micron abs. en microfibra. Otras filtraciones bajo pedido.
- Juntas: estándar Buna-N. Bajo pedido Viton.
- Temperatura de trabajo: de -30°C a +90°C (+110°C Viton).
- Max. caudal: 170 l/min
- Presión de trabajo: 300 bar. Presión de rotura: 560 bar
- Presión de colapso del cartucho: 21 bar o 210 bar.
- Resistencia a la fatiga: 1'000'000 ciclos (0÷280 bar).
- Prueba realizada según normativa: ISO 2941 / ISO 3724 / ISO 3968.



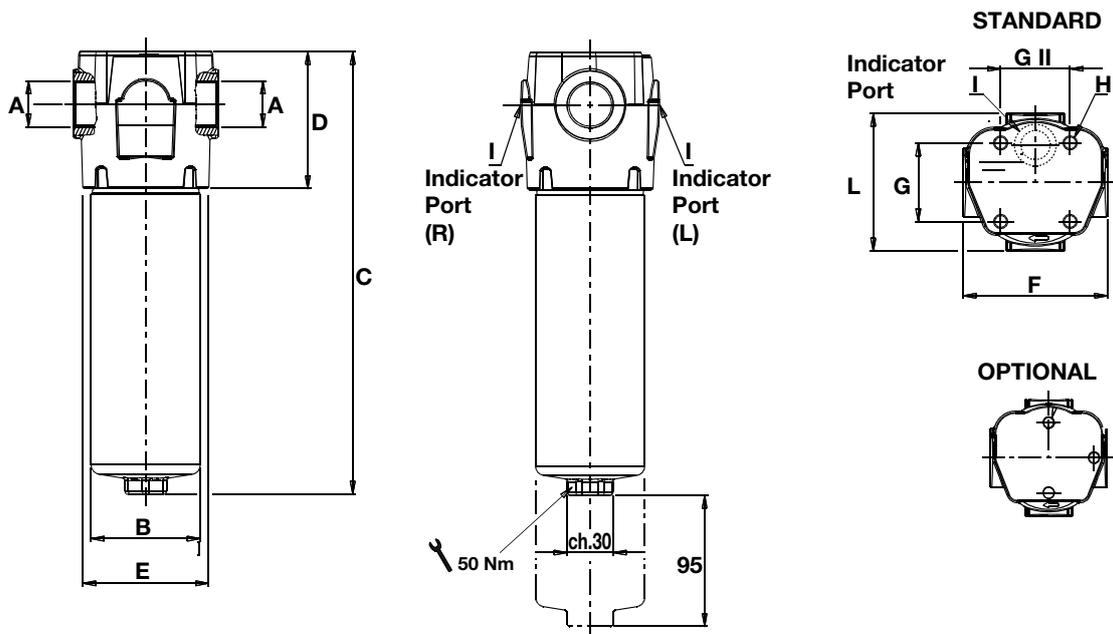
PF21-22-23



FILTRO COMPLETO ALTA PRESSIONE 300 bar - HIGH PRESSURE COMPLETE FILTER 300 bar

Mod.	DIMENSIONI mm - DIMENSIONS mm										PESO - WEIGHT
	A	B	C	D	E	F	G	H	I	L	kg.
PF21	1/2" bspp 3/4" bspp	70	173	85	80	85	46	M8	1/2" bspp	88	3,8
PF22		70	200	85	80	85	46	M8	1/2" bspp	88	4,2
PF23		70	295	85	80	85	46	M8	1/2" bspp	88	5,7

PF24-25

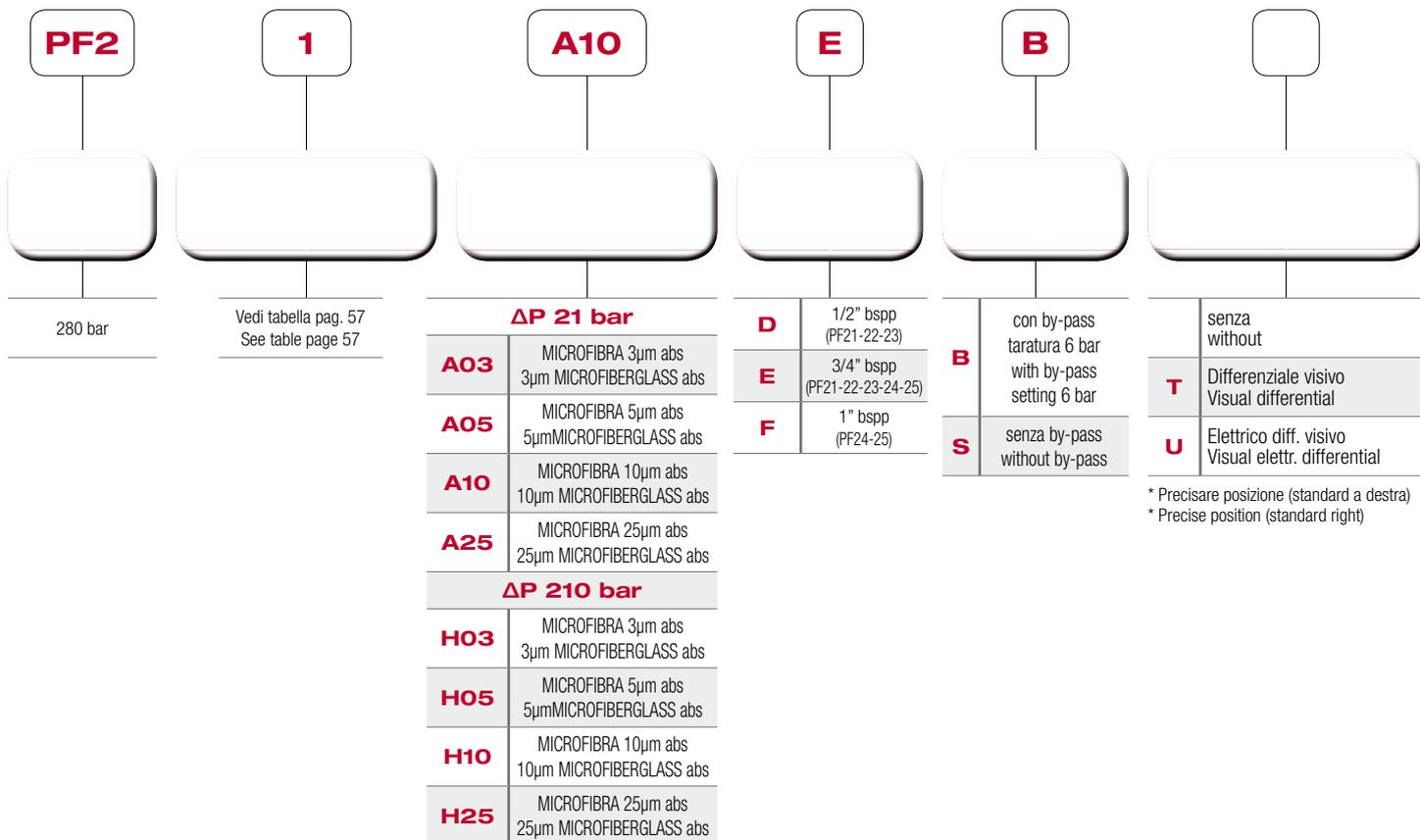


FILTRO COMPLETO ALTA PRESSIONE 300 bar - HIGH PRESSURE COMPLETE FILTER 300 bar

Mod.	DIMENSIONI mm - DIMENSIONS mm											PESO - WEIGHT
	A	B	C	D	E	F	G	G II	H	I	L	kg.
PF24	3/4" bspp	79	214	100	91	105	57	50	M10	1/2" bspp	100	6,0
PF25	1" bspp	79	322	100	91	105	57	50	M10	1/2" bspp	100	7,8

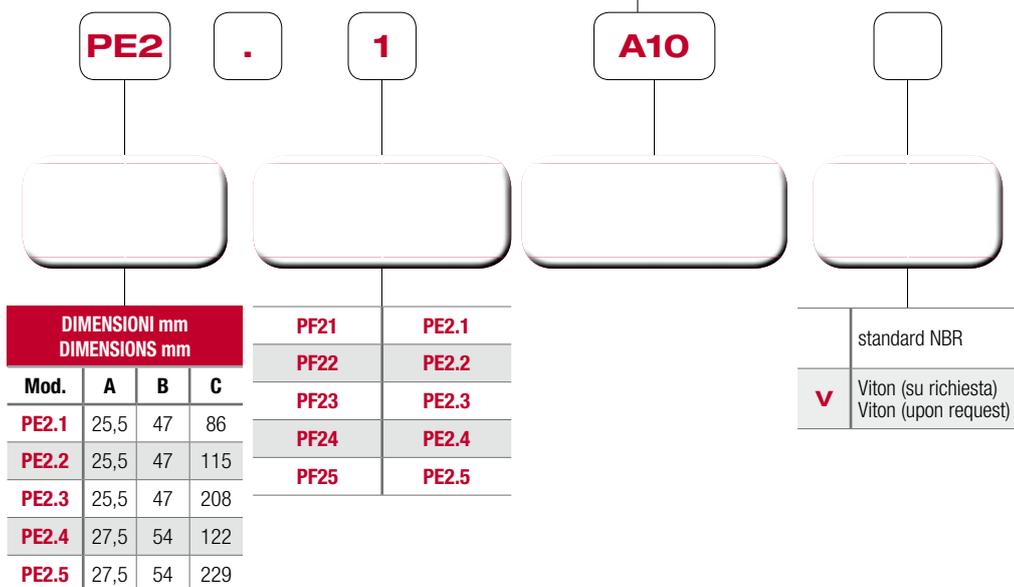
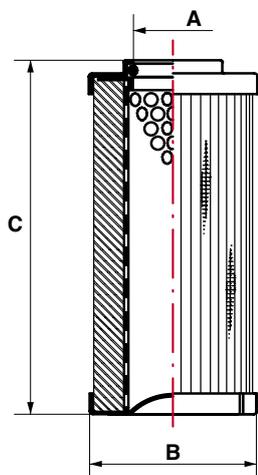
COME ORDINARE UN FILTRO COMPLETO:

HOW TO ORDER A COMPLETE FILTER:



COME ORDINARE LA CARTUCCIA DI RICAMBIO:

HOW TO ORDER THE REPLACEMENT ELEMENT:



Portate PF2**

Portate in l/min. rievate con
Dp=0,75 bar

PF2 flow rates**

Flow rate in l/min. measured with
Dp=0,75 bar

Filtredurchfluß PF2**

Filterdurchfluß in l/min. gemessen
bei Dp=0,75 bar

Débits PF2**

Débits en l/min. mesurés avec
Dp=0,75 bar

Caudales PF2**

Débits en l/min. mesurés avec
Dp=0,75 bar

ELEMENTO FILTRANTE FILTERING ELEMENT		MICROFIBRA / FIBERGLASS			
Mod.	FILETTO - THREAD BSPP	A03 3 MICRON ABS	A05 5 MICRON ABS	A10 10 MICRON ABS	A25 25 MICRON ABS
PF21	1/2"	25	30	35	45
	3/4"	25	30	35	45
PF22	1/2"	35	40	50	60
	3/4"	35	40	50	60
PF23	1/2"	60	65	75	85
	3/4"	65	70	80	95
PF24	3/4"	60	65	80	100
	1"	60	70	85	105
PF25	3/4"	105	120	135	155
	1"	110	125	145	170

** Portate rievate con olio avente viscosità cinematica di 30 cSt e densità 0.86 kg/dm³

** Flow rates measured with oil with 30 cSt kinematic viscosity and 0.86 kg/dm³

• Compatibilità con fluidi: oli minerali (HH-HL-HM-HR-HV-HG) e fluidi sintetici (HS-HFDR-HFDU-HFDS).

• Fluid compatibility: mineral oil (HH-HL-HM-HR-HV-HG) and synthetic fluids (HS-HFDR-HFDU-HFDS).

**Capacità d'accumulo
Cartucce PE2
(ISO MTD)**
Δp=5 bar

**PE2 element dirt
holding capacity
(ISO MTD)**
Δp=5 bar

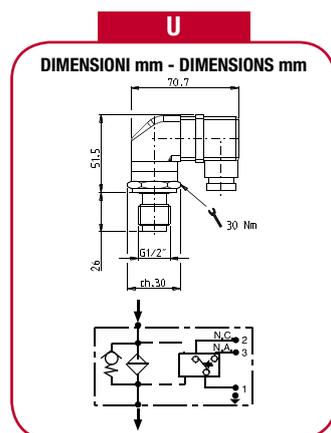
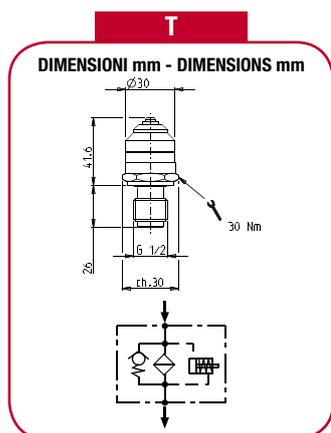
**Element PE2
Schmutzan-
sammlungskapazität
(ISO MTD)**
Δp=5 bar

**Capacità
d'accumulation
cartouches PE2
(ISO MTD)**
Δp=5 bar

**Capacidad de
retención cartuchos
PE2 (ISO MTD)**
Δp=5 bar

ELEMENTO FILTRANTE FILTERING ELEMENT			MICROFIBRA / FIBERGLASS			
Mod.	C mm	SUPERFICIE FILTRANTE FILTERING SURFACE cm ²	A03 3 MICRON ABS gr	A05 5 MICRON ABS gr	A10 10 MICRON ABS gr	A25 25 MICRON ABS gr
PE2.1	85	380	2,10	2,70	3,00	4,40
PE2.2	115	500	3,00	3,90	4,40	6,40
PE2.3	208	950	5,30	6,70	7,50	11,00
PE2.4	122	900	5,10	6,50	7,30	10,50
PE2.5	229	1800	10,10	13,00	14,50	21,00

INDICATORI INTASAMENTO CLOGGING INDICATORS - VERSCHMUTZUNGSANZEIGEN - INDICATEURS DE COLMAGE -
INDICADORES DE SUCIEDAD



SERIE SERIES	TARATURA SETTING	TIPO TYPE
T	8 bar (no by-pass) 5 bar (by-pass)	Differenziale visivo Visual differential Optisch Differenzdruckanzeige Differential visuel Visual Diferencial
U	8 bar (no by-pass) 5 bar (by-pass)	Elettrico differenziale visivo IP65 - 250Vac Visual electrical differential IP65 - 250Vac Optisch El. Differenzdruckanzeige IP65 - 250Vac Differential visuel el. IP65 - 250Vac Visual Diferencial el. IP65 - 250Vac

GRAFICI PERDITA DI CARICO ATTRAVERSO IL CORPO FILTRO

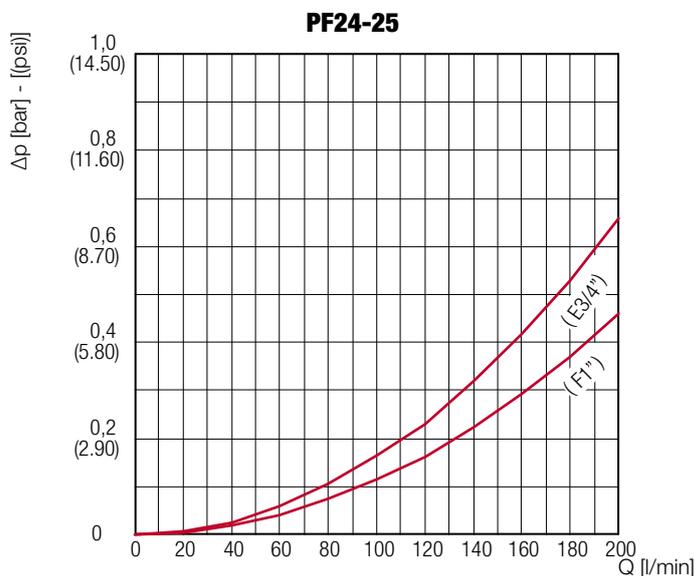
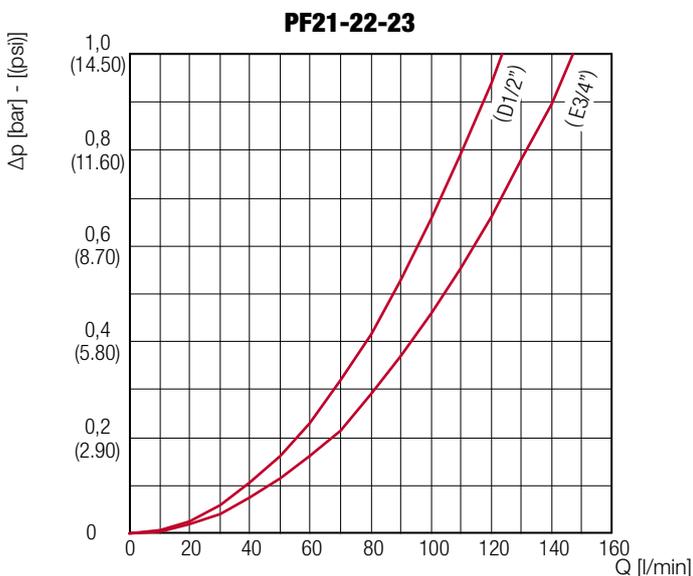
PRESSURE DROP CURVES THROUGH THE HOUSING

Le curve sono determinate dalle seguenti condizioni:

Olio minerale tipo SAE 10
 Viscosità cinematica 30 cSt
 Densità 0,856 Kg/dm³.

The curves are obtained in the following conditions:

Mineral oil type SAE 10
 Kinematic viscosity 120 SSU (30 cSt)
 Density 7.29 lb/gal (0,856 kg/dm³).



GRAFICI PERDITA DI CARICO ATTRAVERSO VALVOLE BY-PASS

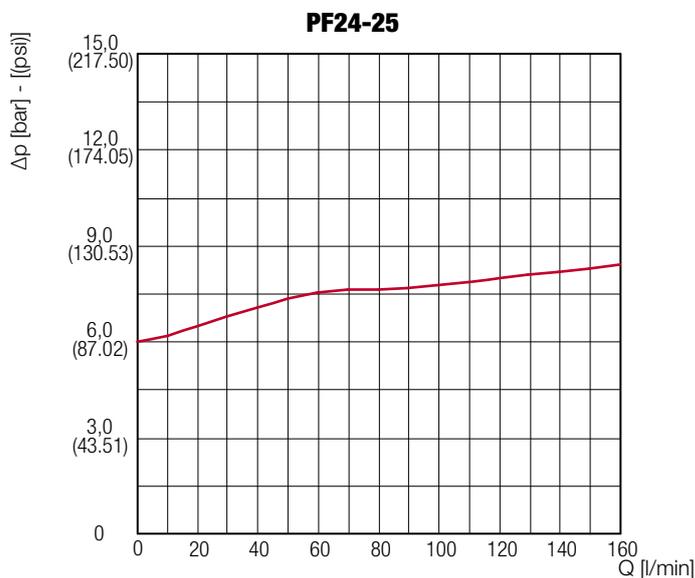
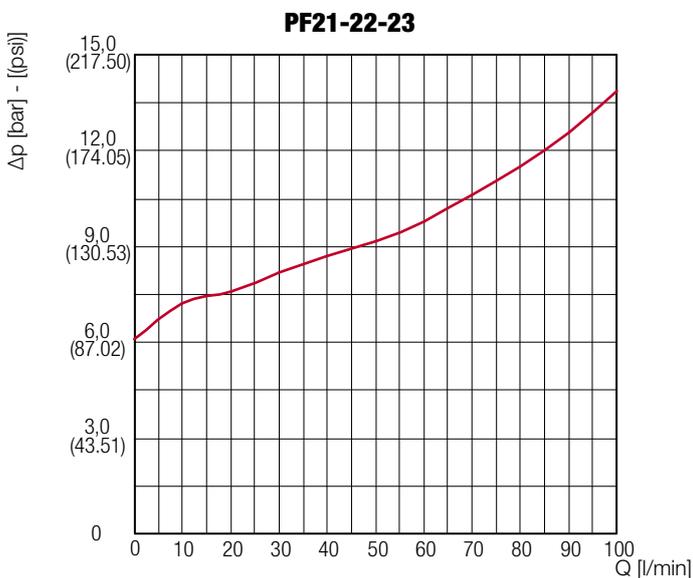
PRESSURE DROP CURVES THROUGH THE BY-PASS VALVES

Le curve sono determinate dalle seguenti condizioni:

Olio minerale tipo SAE 10
 Viscosità cinematica 30 cSt
 Densità 0,856 Kg/dm³.

The curves are obtained in the following conditions:

Mineral oil type SAE 10
 Kinematic viscosity 120 SSU (30 cSt)
 Density 7.29 lb/gal (0,856 kg/dm³).



GRAFICI PERDITA DI CARICO ATTRAVERSO LE CARTUCCE PE 2.1-2.2-2.3

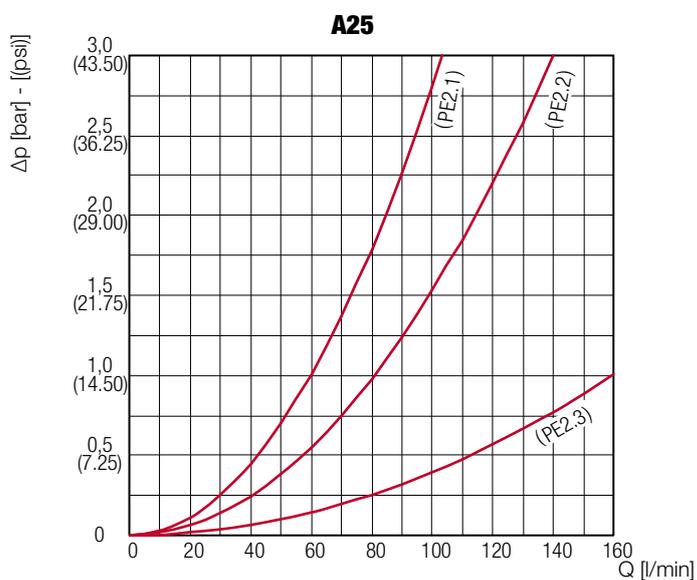
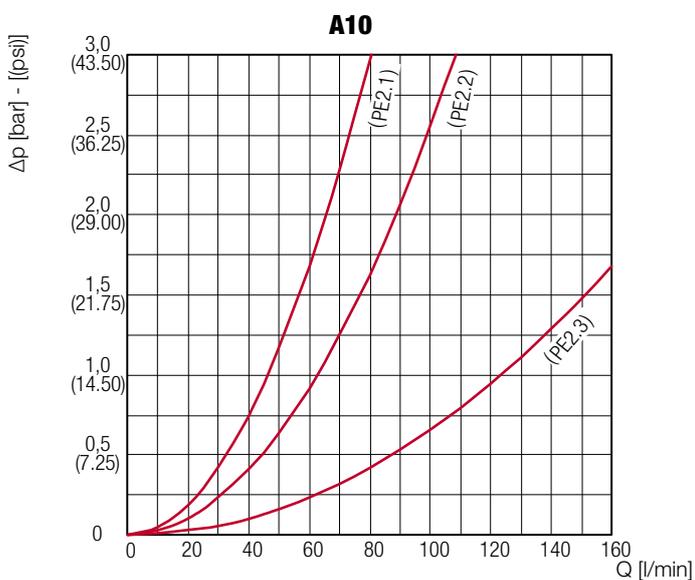
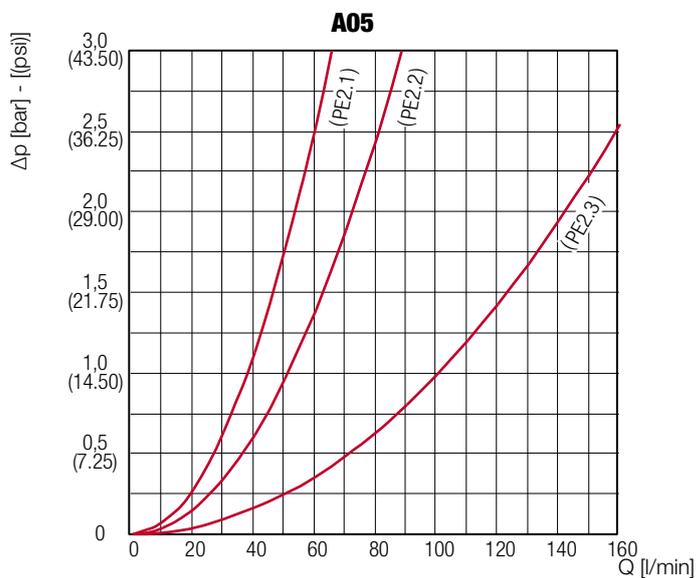
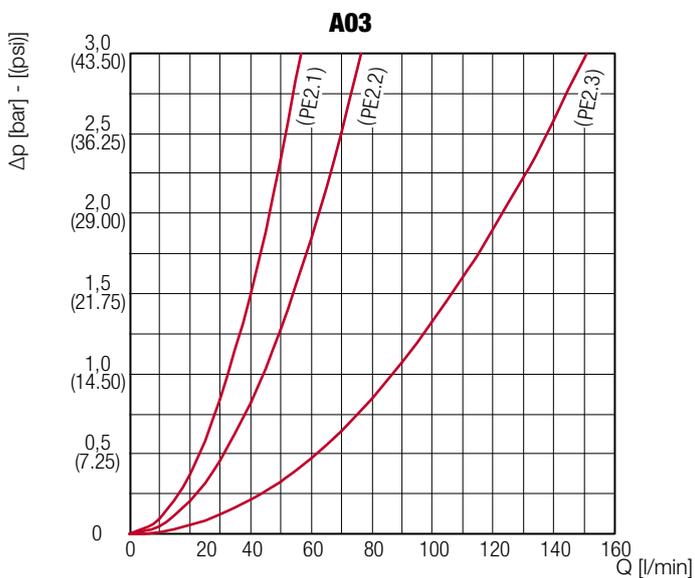
PRESSURE DROP CURVES THROUGH THE ELEMENT PE 2.1-2.2-2.3

Le curve sono determinate dalle seguenti condizioni:

Olio minerale tipo SAE 10
Viscosità cinematica 30 cSt
Densità 0,856 Kg/dm³.

The curves are obtained in the following conditions:

Mineral oil type SAE 10
Kinematic viscosity 120 SSU (30 cSt)
Density 7.29 lb/gal (0,856 kg/dm³).



GRAFICI PERDITA DI CARICO ATTRAVERSO LE CARTUCCE PE 2.4-2.5

PRESSURE DROP CURVES THROUGH THE ELEMENT PE 2.1-2.2-2.3

Le curve sono determinate dalle seguenti condizioni:

Olio minerale tipo ISO VG46

Viscosità cinematica 30 cSt

Densità 0,856 Kg/dm³.

The curves are obtained in the following conditions:

Mineral oil type SAE 10

Kinematic viscosity 120 SSU (30 cSt)

Density 7.29 lb/gal (0,856 kg/dm³).

