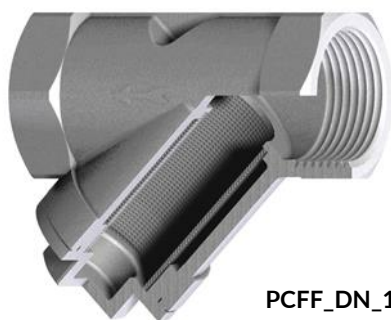


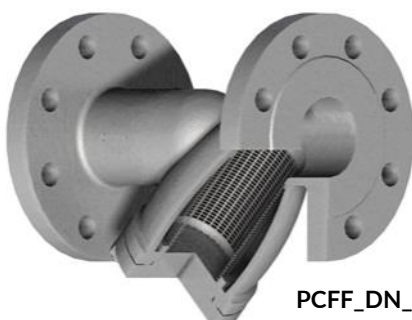


PCFF—Filtri in linea corpo AISI316

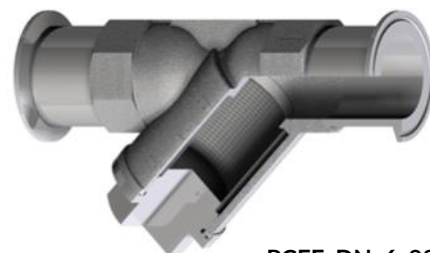
PCFF—AISI316 body in-line filters



PCFF_DN_1



PCFF_DN_2_X



PCFF_DN_6_2852

DESCRIZIONE

I filtri in linea sono apparecchiature costituite da un cestello filtrante, racchiuso in un corpo (generalmente in acciaio o ghisa). La loro principale funzione è di trattenere eventuali impurità veicolate dal fluido di processo.

È buona norma installare questi componenti immediatamente a monte dei componenti critici (pompe, compressori, valvole, caldaie), in modo da preservarne la funzionalità ottimale.

Per facilitare la rimozione delle impurità, sono dotati di tappi di spurgo, da cui è possibile estrarre il cestello, ripulirlo e reinserirlo con estrema semplicità. Devono essere installati con il tappo disposto sulla verticale, orientati come rappresentato dalle immagini in alto.

I filtri della serie PCFF, con il corpo in acciaio inossidabile AISI 316 e il cestello in AISI 304 o 316, con una temperatura di lavoro che può variare da -10°C a +180°C, è utilizzabile in una larga gamma di applicazioni industriali e tipologie di fluidi di processo, anche aggressivi.

Sono disponibili nelle versioni con attacchi filettati GAS FF (Serie **PCFF_DN_1**), flangiati a foratura EN-ISO 1092 (Serie **PCFF_DN_2_X**), filettati FF NPT, a saldare di tasca, flangiatura EN ISO 1092 ribassata, flangiatura ridotta, clamp (Serie **PCFF_DN_A**).

DESCRIPTION

In-line filters are equipment consisting of a filter cartridge, enclosed in a body (generally made of steel or cast iron). Their main function is to retain any impurities carried by the process fluid.

It is good practice to install these components immediately upstream of the critical components (pumps, compressors, valves, boilers), in order to preserve their optimal functionality.

To facilitate the removal of impurities, they are equipped with drain plugs, from which the cartridge can be extracted, cleaned and reinserted very easily. They must be installed with the cap positioned vertically, oriented as shown in the above images

The PCFF series filters, with the body in AISI 316 stainless steel and the cartridge in AISI 304 or 316, with a working temperature that can vary from -10 °C to + 180 °C, can be used in a wide range of industrial applications and types of process fluids, including aggressive ones.

*They are available in versions with GAS FF threaded connections (**PCFF_DN_1 Series**), EN-ISO 1092 flanged holes (**PCFF_DN_2_X Series**), FF NPT threaded, pocket welded, EN ISO 1092 lowered flanging, reduced flanging, clamp (**PCFF_DN_A Series**).*

CARATTERISTICHE ELEMENTO FILTRANTE

L'elemento filtrante può essere realizzato in lamiera forata (materiale inox AISI 304 o 316) o maglia stirata romboidale (eventualmente ingabbiata in lamiera forata, inox AISI304 o 316); le versioni standard della cartuccia variano a seconda della tipologia di filtro e sono indicate nelle sezioni a seguire.

FILTERING CARTRIDGE FEATURES

The filter element can be made of metal hollow plate (AISI 304 or 316 stainless steel) or rhomboidal mesh (possibly enclosed in hollow plate sheet, AISI304 or 316 stainless steel); the standard versions of the cartridge vary according to the type of filter and are indicated in the following sections; however.



PCFF_DN_1—DATI TECNICI GENERALI

PCFF_DN_1—GENERAL TECHNICAL DATA

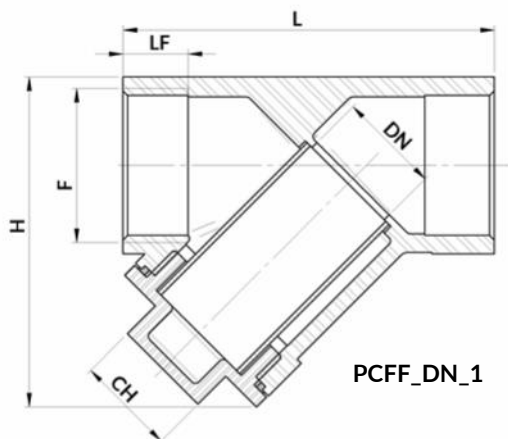


TABELLA DIMENSIONALE SERIE PCFF_DN_1 ⁽¹⁾- Connessioni filettate femmina Gas ISO 228

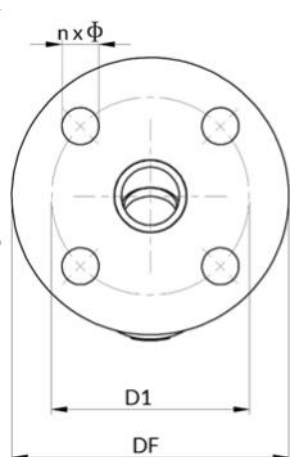
PCFF_DN_1 DIMENSIONAL TABLE— ISO228 female threaded ends

DN	L	H	CH	F	LF	K _v ⁽²⁾	PN
(mm) (inch)	(mm)	(mm)	(mm)		(mm)	(l/min)	(bar)
15 1/2"	60	55	19	1/2"-14	9	50	56
20 3/4"	80	70	21	3/4"-14	11	90	56
25 1"	80	75	21	1"-11	14	150	56
32 1 1/4"	95	90	21	1 1/4"-11	16	240	56
40 1 1/2"	110	105	30	1 1/2"-11	16	360	56
50 2"	140	140	30	2"-11	17	570	56
65 2 1/2"	170	155	21	2 1/2"-11	23	960	56
80 3"	200	170	50	3"-11	25	1500	56

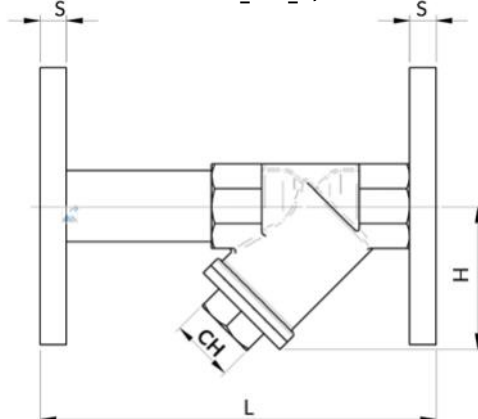
TABELLA DIMENSIONALE SERIE PCFF_DN_2/3 ⁽¹⁾- Connessioni flangiate PN16 ribassate (_2)/ridotte (_3)

PCFF_DN_2/3 DIMENSIONAL TABLE— PN16 reduced thickness (_2)/ reduced size (_3) flanged

DN		L	H	CH	DF		D1		n x ø		S	
(mm)	(inch)	(mm)	(mm)	(mm)	PN16 rib. <i>PN16 red. thickn.</i>	Ridotte <i>Red. size</i>	PN16 rib. <i>PN16 red. thickn.</i>	Ridotte <i>Red. size</i>	PN16 rib. <i>PN16 red. thickn.</i>	Ridotte <i>Red. size</i>	PN16 rib. <i>PN16 red. thickn.</i>	Ridotte <i>Red. size</i>
15	1/2"	130	42	19	95	70	65	50	4x14	4x7	10	6
20	3/4"	150	55	21	105	75	75	55	4x14	4x9	10	8
25	1"	160	60	21	115	80	85	60	4x14	4x9	10	8
32	1 1/4"	180	65	21	140	90	100	70	4x18	4x9	12	8
40	1 1/2"	200	75	30	150	100	110	80	4x18	4x9	12	8
50	2"	230	105	30	165	110	125	90	4x18	4x11	12	10
65	2 1/2"	290	120	21	185	135	145	110	8x18	4x11	12	10
80	3"	310	130	50	200	150	160	125	8x18	8x11	14	10



PCFF_DN_2/3

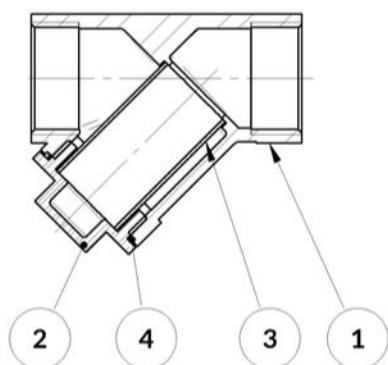


⁽¹⁾: I dati dimensionali riportati sono indicativi e possono essere variati dal fornitore senza obbligo di preavviso

⁽¹⁾: Reported dimensions are only for reference and may be changed by the supplier without notice

⁽²⁾: Valori relativi ad acqua a 20 °C con cartuccia filtrante STD pulita; valori comuni a PCFF_DN_1/2/3

⁽²⁾: Values determined with water at 20°C and clean STD filtering cartridge; typical values of PCFF_DN_1/2/3 filters



LISTA PARTI/RICAMBI SERIE PCFF_DN_1/2/3
PCFF_DN_1/2/3 PARTLIST/SPARELIST

POS	QT	Descrizione Description	Materiale Material	KIT Ric. Spares
1	1	Corpo filtro Filter body	CF8M	
2	1	Tappo Plug	CF8M	
3	1	Cartuccia filtrante ⁽¹⁾ Cartridge	AISI316	
4	1	Guarnizione corpo Body gasket	PTFE	R

⁽¹⁾: Cartuccia standard: maglia metallica 80 mesh (~200 µm) in lamiera forata Φ1 p.3

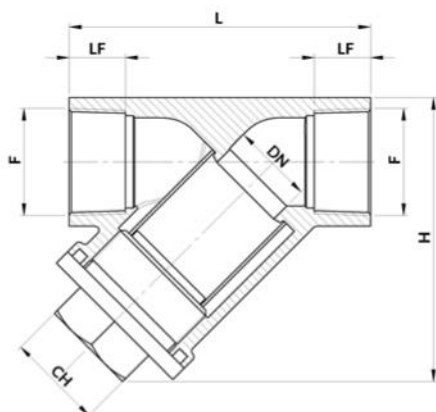
⁽¹⁾: Standard cartridge: 80mesh (~200 µm) metallic wire enclosed in Φ1 p.3 hollow sheet

(R): Ricambi raccomandati
(R): Recommended spares

PCFF_DN_1N/4/6—DATI TECNICI GENERALI

PCFF_DN_1N/4/6—GENERAL TECHNICAL DATA

PCFF_DN_1N



PCFF_DN_4

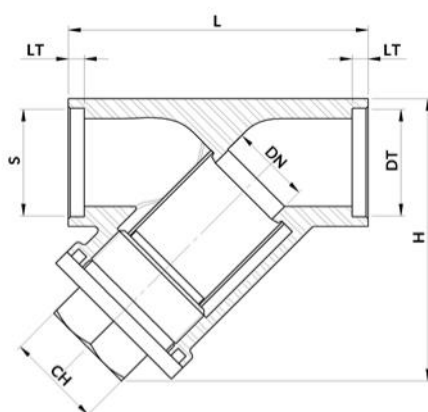


TABELLA DIMENSIONALE SERIE PCFF_DN_1N ⁽²⁾- Connessioni filettate femmina NPT

PCFF_DN_1N DIMENSIONAL TABLE— NPT female threaded

DN		L	H	CH	F	LF	K _v ⁽³⁾	PN
(mm)	(inch)	(mm)	(mm)	(mm)		(mm)	(l/min)	(bar)
15	1/2"	65	65	24	1/2"-14	13	75	40
20	3/4"	75	70	24	3/4"-14	14	135	40
25	1"	90	90	30	1"-11 1/2	16	210	40
32	1 1/4"	110	105	30	1 1/4"-	17	350	25
40	1 1/2"	120	115	41	1 1/2"-	17	550	25
50	2"	150	140	41	2"-11 1/2	18	850	16

TABELLA DIMENSIONALE SERIE PCFF_DN_4 ⁽¹⁾- Connessioni a saldare di tasca (SW)

PCFF_DN_4 DIMENSIONAL TABLE— SW

DN		L	H	CH	DT	LT
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)
15	1/2"	65	65	24	21.5	4
20	3/4"	75	70	24	27.2	4
25	1"	90	90	30	34	4
32	1 1/4"	110	105	30	43	4
40	1 1/2"	120	115	41	49	4
50	2"	150	140	41	61	4
65	2 1/2"	175	165	41	76.5	29

⁽²⁾: I dati dimensionali riportati sono indicativi e possono essere variati dal fornitore senza obbligo di preavviso

⁽²⁾: Reported dimensions are only for reference and may be changed by the supplier without notice

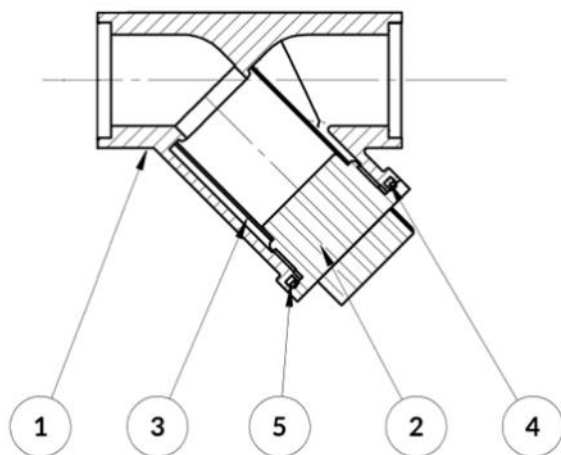
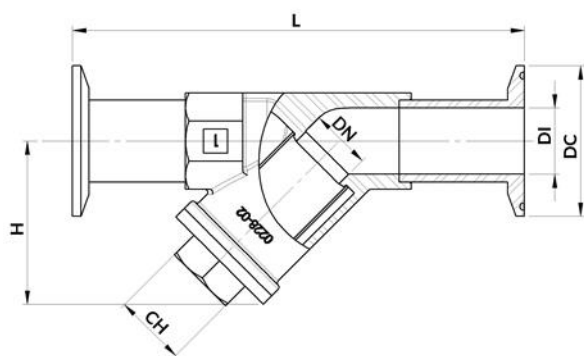
⁽³⁾: Valori relativi ad acqua a 20 °C con cartuccia filtrante STD pulita; valori comuni a tutta la serie PCFF_DN_1N/4/6

⁽³⁾: Values determined with water at 20°C and clean STD filtering cartridge; PCFF_DN_1N/4/6 series typical values



TABELLA DIMENSIONALE SERIE PCFF_DN_6_2852/4825⁽¹⁾-
Connessioni clamp ISO 2852/BS 4825
PCFF_DN_6_2852/4825 DIMENSIONAL TABLE— ISO 2852 /
BS4825 clamp

DN		L	H	CH	DC		DI	
(mm)	(inch)	(mm)	(mm)	(mm)	EN ISO 2852	ASME BS 4825	EN ISO 2852	ASME BS 4825
15	1/2"	130	52	24	34	25.2	17	9.4
20	3/4"	150	55	24	50.5	25.2	22	15.7
25	1"	160	70	30	50.5	50.5	27	22.1
32	1 1/4"	180	80	30	50.5	50.5	34	28.5
40	1 1/2"	200	90	41	64	50.5	41.5	34.8
50	2"	230	105	41	77.5	64	52	47.5
65	2 1/2"	290	120	41	91	77.5	69	60.2



LISTA PARTI/RICAMBI SERIE PCFF_DN_1N/4/6
PCFF_DN_1N/4/6 PARTLIST/SPARELIST

POS	QT	Descrizione Description	Materiale Material	KIT Ric. Spares
1	1	Corpo filtro Filter body	CF8M	
2	1	Tappo Plug	CF8M	
3	1	Cartuccia filtrante ⁽²⁾ Cartridge	AISI304	
4	1	Guarnizione corpo Body gasket	PTFE	R
5	1	Guarnizione OR OR gasket	FPM	R

⁽¹⁾: I dati dimensionali riportati sono indicativi e possono essere variati dal fornitore senza obbligo di preavviso

⁽¹⁾: Reported dimensions are only for reference and may be changed by the supplier without notice

⁽²⁾: Cartuccia standard: maglia metallica 80 mesh (~200 µm)

⁽²⁾: Standard cartridge: 80mesh (~200 µm) metallic wire

(R): Ricambi raccomandati

(R): Recommended spares



PCFF_DN_2_X—DATI TECNICI GENERALI

PCFF_DN_2_X—GENERAL TECHNICAL DATA

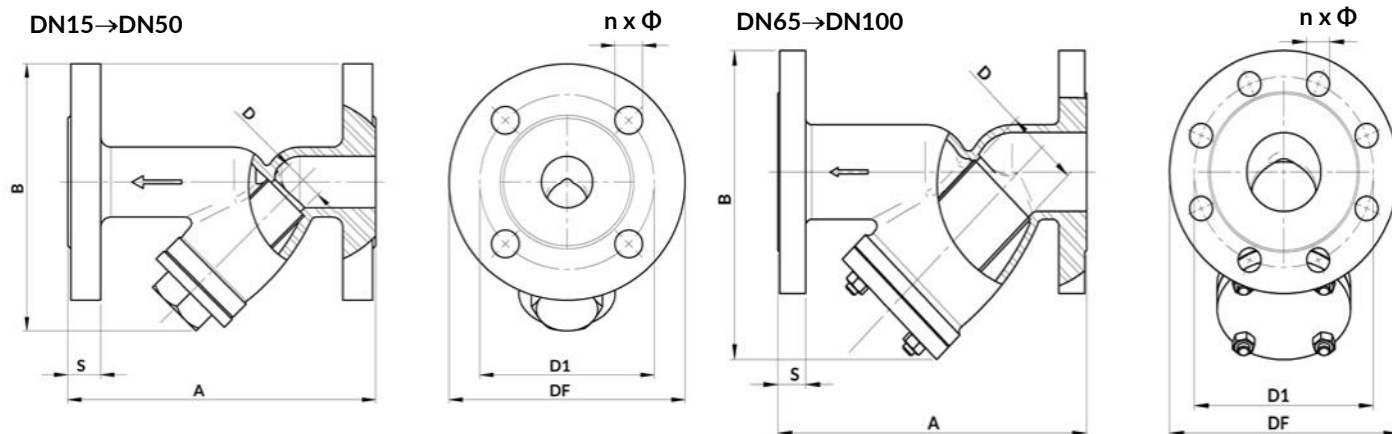
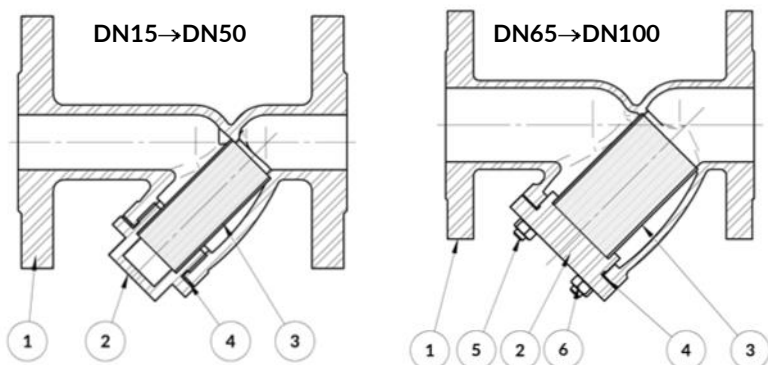


TABELLA DIMENSIONALE SERIE PCFF_DN_2_X⁽¹⁾ - Connessioni flangiate PN16 EN1092

PCFF_DN_2_X DIMENSIONAL TABLE— PN16 EN1092 flanged ends

DN		A	B	D1	DF	n x Φ	S	K _v ⁽²⁾
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(l/min)
15	1/2"	130	117	65	95	4x14	14	60
20	3/4"	140	122	75	105	4x14	16	95
25	1"	150	137	85	115	4x14	16	165
32	1 1/4"	180	155	100	140	4x18	18	250
40	1 1/2"	200	175	110	150	4x18	18	475
50	2"	220	195	125	165	4x18	18	710
65	2 1/2"	250	222	145	185	4x18	20	1150
80	3"	280	270	160	200	8x18	20	1750
100	4"	310	325	180	220	8x22	22	2900



⁽¹⁾: I dati dimensionali riportati sono indicativi e possono essere variati dal fornitore senza obbligo di preavviso

⁽¹⁾: Reported dimensions are only for reference and may be changed by the supplier without notice

⁽²⁾: Valori relativi ad acqua a 20 °C con cartuccia filtrante STD pulita

⁽²⁾: Values determined with water at 20°C and clean STD filtering cartridge

⁽³⁾: Cartuccia standard: maglia metallica 80 mesh (~200 µm) in lamiera forata Φ1 p.3 (DN15-32), 30 mesh (~700 µm) Φ2 p.6 (DN40-100)

⁽³⁾: Standard cartridge: 80mesh (~200 µm) metallic wire enclosed in Φ1 p.3 hollow sheet (DN15-32), 30 mesh (~700 µm) Φ2 p.6 (DN40-100)

(R): Ricambi raccomandati / recommended spares

LISTA PARTI/RICAMBI SERIE PCFF_DN_2_X
PCFF_DN_2_X PARTLIST/SPARELIST

POS	QT	Descrizione Description	Materiale Material	KIT Ric. Spares
1	1	Corpo filtro Filter body	CF8M	
2	1	Tappo Plug	CF8M	
3	1	Cartuccia filtrante ⁽³⁾ Cartridge	AISI316	
4	1	Guarnizione corpo Body gasket	PTFE	R
5	4	Tirante Threaded rod	A4/70	
6	4	Dado Nut	A4/70	



CODICI D'ORDINE

ORDER CODES

PCFF - Filtri in linea—corpo AISI316			
PCFF—AISI316 body in-line filters			
PCFF	_DN	_A (Conessioni corpo) (Body connections)	
	015	1	FF GAS
	020	1N	FF NPT
	025	2	Flang. PN16 RIBASSATE Red. thickness PN16 flanged
	032	2_X	Flang. PN16 EN1092
	040	3	Flang. PN16 RIDOTTE Red. size flanged
	050	4	A saldare di tasca Socket weld
	065	6_2852	Clamp EN ISO 2852
	080 ⁽¹⁾	6_4825	Clamp ASME BS 4825
	100 ⁽²⁾		

Es. : PCFF_025_6_2852	Filtro f.l. DN025 - corpo AISI316L - maglia metallica AISI 304 80 mesh (~200 µm) - clamp EN ISO 2852	DN032 free flow ON/OFF valve - AISI316L body - NYLON D070 NC actuator- FF 1"1/4G
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ACCESSORI E OPZIONI (*)

ACCESSORIES AND OPTIONS (*)

- Conessioni e spaziature fuori standard a scelta del cliente (solo serie PCFF_DN_A)
- Materiale corpo WCB o ghisa sferoidale GGG40
- Materiale e grado di filtrazione cartucce filtranti differenti dallo standard

Nota (*): — Tutti gli impieghi non standard devono essere richiesti in fase d'offerta e sono specificati sulla C.O.; per dettagli, consultare la sezione dedicata

- Non std. body connections and spacing at customer's choice (only for PCFF_DN_A series)
- Body material: WCB or ductile iron
- Customizable cartridge filtration grade and materials

Note (*): — All non-standard applications shall be required in offer request phase and will be specified in Order Confirmation; for details, see dedicated section

⁽¹⁾: Disponibile solo per serie PCFF_DN_1 e PCFF_DN_2_X

⁽¹⁾: Available only for PCFF_DN_1 and PCFF_DN_2_X series

⁽²⁾: Disponibile solo per serie PCFF_DN_2_X

⁽¹⁾: Available only for PCFF_DN_2_X series