

Technical data sheet

Type Y333P

Y pattern strainer

Applications and special features



- Protection of pumps, valves, pressure reducing valves, backflow preventers, against any impurity in the piping system (dirt, rust, seal fragments, foreign bodies).
- Furthermore, these pattern strainers are available with a drain cock allowing a quick and efficient cleaning.
- Filtration DN :
 - 500 microns for DN 40/50
 - 800 microns for DN 65
 - 1250 microns for DN 80/100/125/150/200
 - 1600 microns for DN 250/300/350/400
- Internal/external epoxy coating.

Technical description

Important notice :

The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site www.danfoss-socla.com or by requesting from our sales department.

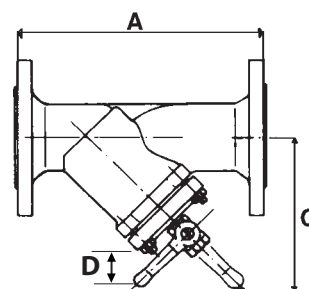
DN "	mm	PN	PFA bar	PS - bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
1 ^{1/2}	40	10/16	16	16	16	X	X	3.3	149B 3260	
2	50	10/16	16	16	16	X	X	3.3	149B 3261	
2 ^{1/2}	65	10/16	16	16	16	X	X	3.3	149B 3262	
3	80	10/16	16	16	16	X	X	3.3	149B 3263	
4	100	10/16	16	16	16	X	X	3.3	149B 3264	
5	125	10/16	16	16	16	X	X	3.3	149B 3265	
6	150	10/16	16	13	16	X	X	3.3	149B 3266	
8	200	10	10	10	10	X	X	3.3	149B 3267	
10	250	10	10	10	10	X	X	1	149B 3268	
12	300	10	10	10	10	X	X	1	149B 3269	
14	350	10	10	10	10	X	X	1	149B 3794	
16	400	10	10	10	10	X	X	1	149B 3797	

- **Connection** : with PN 10 flanges
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum Permissible pressure PS - other mediums** : See table
- **T°** :
 - Mini. -10 °C
 - Maxi. 110 °C
- **Mediums** : Clear liquids
- **Approvals** : ACS WRAS
- **International construction Standards** :
 - CE Conformity (Europe)
 - CE Conformity Directive 97/23/CE
 - Flange drilling according to EN 1092-2
 - Overall dimensions according to EN 558-1 series 1

Overall dimensions

DN		A	C	D	Mesh	Weight
"	mm	mm	mm	mm	mm	kg
1 ^{1/2}	40	200	130	35	0,50	6,5
2	50	230	145	50	0,50	8,5
2 ^{1/2}	65	290	192	65	0,80	11
3	80	310	173	75	1,25	17
4	100	350	220	90	1,25	24
5	125	400	280	110	1,25	41
6	150	480	301	170	1,25	43
8	200	600	403	220	1,25	83
10	250	730	472	200	1,60	112
12	300	850	508	250	1,60	160
14	350	980	587	315	1,6	297
16	400	1100	658	370	1,6	406

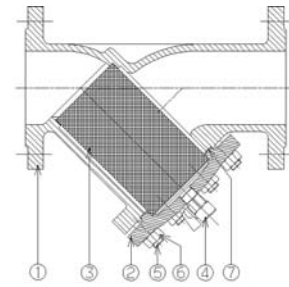
* D : Required height to remove the strainer



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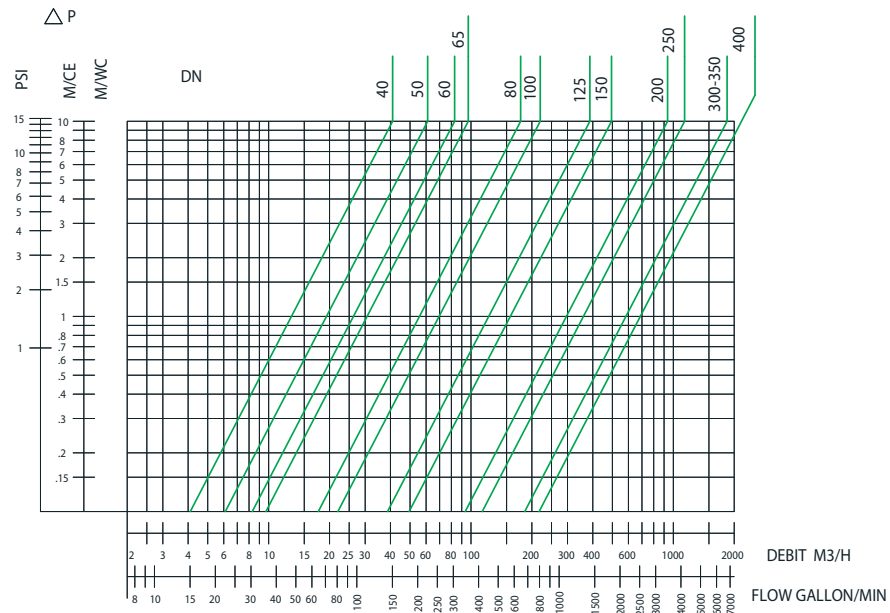
Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN 40-125 DN 150-400	Cast iron + epoxy Ductile iron + epoxy	EN-GJL-250 EN-GJS-400-15	ASTM A 48 35 B
2	CAP DN 40-125 DN 150-400	Cast iron + epoxy Ductile iron + epoxy	EN-GJL-250 EN-GJS-400-15	ASTM A 48 35 B
3	STRAINER	Stainless steel	X5CrNi18-10	AISI 304
4	DRAIN COCK M/F 1/2" DN 40-300 3/4" DN 350-400	Brass		
5	STUD BOLT	Stainless steel	X5CrNi18-10	AISI 304
6	SCREW	Stainless steel	X5CrNiMo17-12-2	AISI 316
7	SEAL	Fibre/EPDM		



Working principle

#	DN		Kv m ³ /H	ξ
		mm		
1 ^{1/2}		40	42,70	2,20
2		50	66,70	2,20
2 ^{1/2}		65	89,00	3,50
3		80	127,00	4,00
4		100	200,00	3,90
5		125	364,00	2,60
6		150	494,00	3,30
8		200	937,00	2,90
10		250	1137,00	4,80
12		300	1844,00	3,80
14		350	1844,00	7,10
16		400	2172,00	8,80



* Head loss value for non clogged strainer
 * Max velocity (for clean water) : 5m/s

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