

new from Oxford Filtration...

the 'blade-type' self-clean filter



These blade-type self-clean filters incorporate all the proven features required for a rugged, efficient and cost effective filter. They are suitable for virtually all applications and all fluids in any industry.

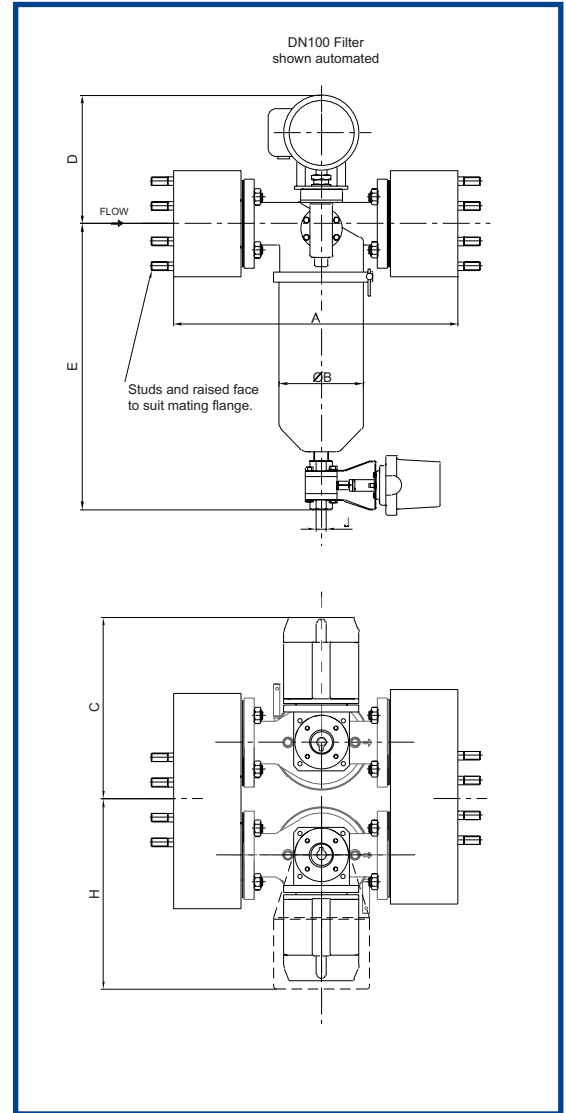
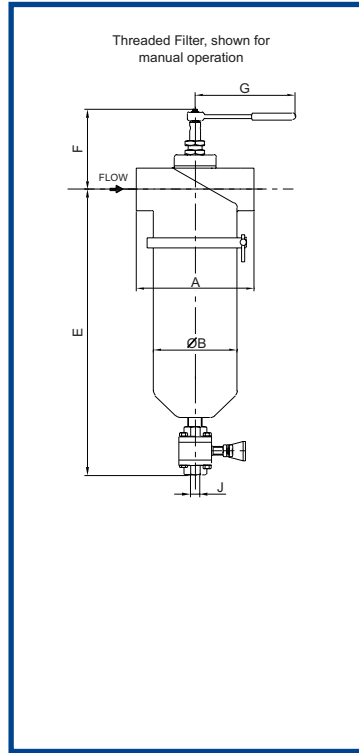
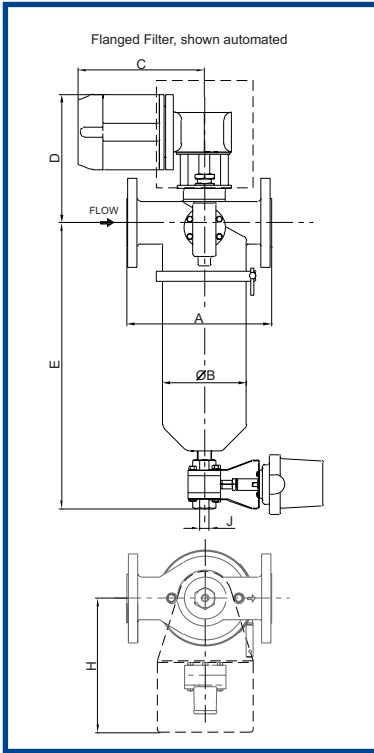
Oxford Filtration's innovative self-clean filter technology offers you...

- ◆ *improved output*
- ◆ *greater efficiency*
- ◆ *consistent quality*

all in a cost-effective and reliable package which is supported by our excellent pre and after sales care



technical data for LP Self Clean Filter Range



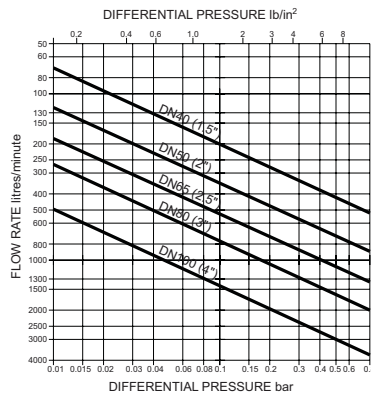
the HP range

The High Pressure self clean filter is dimensionally and functionally similar to the Low Pressure self-clean filter but has a higher strength bowl retained by a reinforced V-collar clamp. The High Pressure self-clean filter retains all the advantages of the Low Pressure self clean filter. The maximum working pressure of the High Pressure self-clean filter is:

- ◆ 50 bar for steel and stainless steel filters
- ◆ 20 bar for cast iron filters.

Flow Chart for Blade Type Self-Clean Filters

The chart is for water (1cSt) flowing through a filter with an element coarser than 1000 microns. Multiply the pressure drop by the following factors for different element micron ratings and different viscosities.

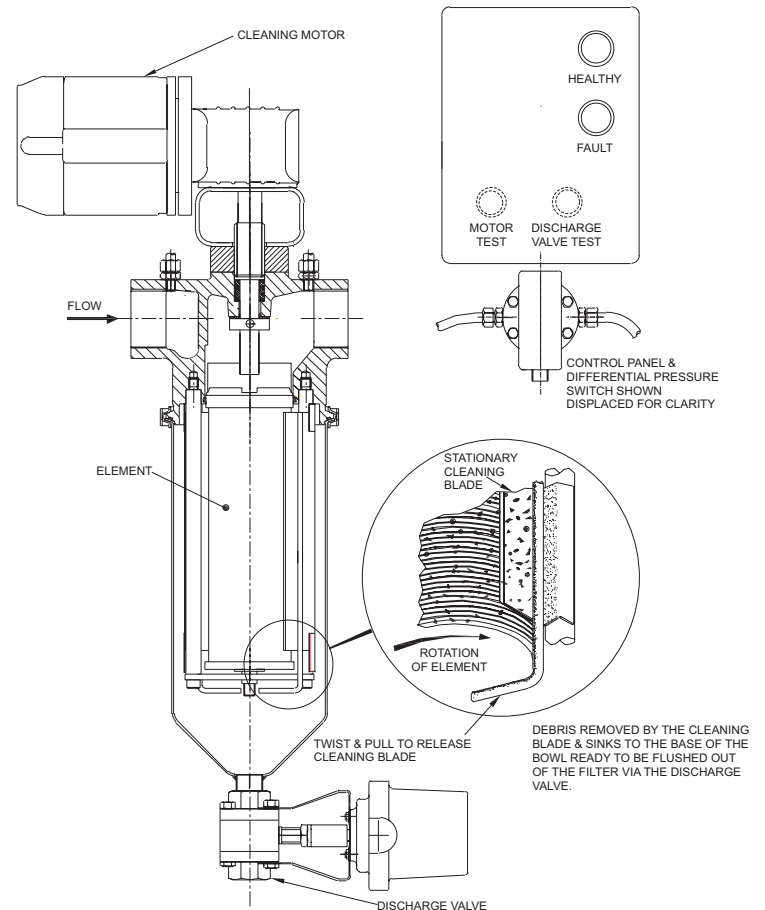


Viscosity (Centistokes)	Filtration Rating (microns)				
	50	100	200	500	1000
1	1.5	1.2	1.13	1.08	1.0
50	3.6	2.75	2.4	2.2	1.75
200	5	3.67	3.16	2.84	2.1
500	6.2	4.5	3.8	3.35	2.4
1000	7.6	6	5	3.9	3.6
5000	34	27	22	18	17

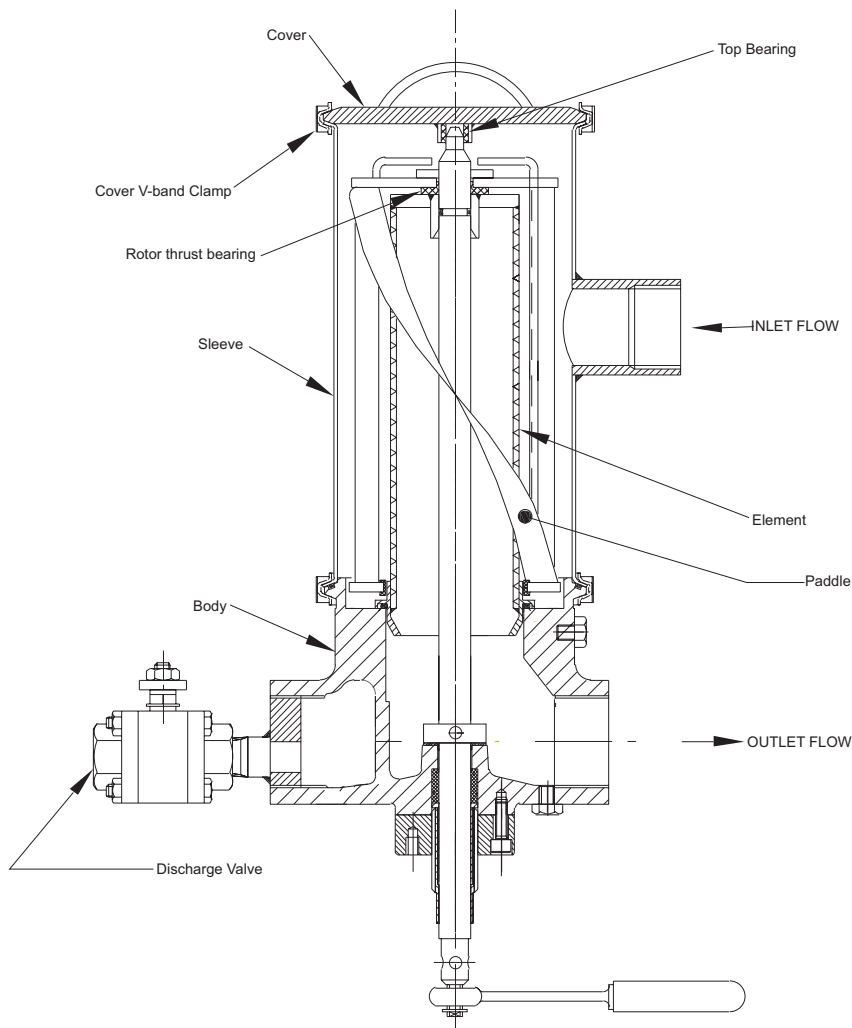
Bore Size	Flanged Filters	Threaded Filters	Common Dimensions (mm)								Mass (dry) kg					
			A	A	B	C	D	E	F	G	H	J	Flanged		Threaded	
													Manual	Auto	Manual	Auto
DN40	270	220	157	236	240	555	178	185	250	3/4"	24	35	18	29		
DN50																
DN65																
DN80	300	-	190	236	255	650	190	185	250	1.5"	40	54	-	-		
DN100	585	-	190	350	255	650	190	185	365	1.5"	218	240	-	-		

advantages

- ◆ element cleaning without stopping or disrupting the fluid flow and without losing system pressure
- ◆ element cleaning without fluid loss
- ◆ fully enclosed system:
 - ❖ no operator contact with the fluid – ideal for hazardous or sensitive applications
 - ❖ no externally introduced contamination problems – increases confidence in the quality of the filtered product
 - ❖ clean operating area and easy environmental contamination control
- ◆ suitable for fluids of all viscosities
- ◆ simple manual operation
- ◆ available with cast iron head and st. steel bowl or all st. steel construction
- ◆ automation option:
 - ❖ eliminates operator involvement
 - ❖ optimises the cleaning frequency
 - ❖ ‘fit and forget’ philosophy
 - ❖ ‘operational status’ indication on the filter control panel
 - ❖ remote ‘operational status’ indication feature
- ◆ fully sealed system for exposed and harsh environments
- ◆ working pressures to 14 bar (200 lb/in²) for the lower pressure range and up to 50 bar (725lb/in²) for the higher pressure range



- ◆ working temperatures up to 260 C (500F) subject to chosen materials of construction
- ◆ choice of stainless steel or ‘food compatible’ plastic cleaning blades with ‘wipe clean’ technology
- ◆ robust stainless steel elements with filtration ratings from 50 micron to 6mm (0.002" to 1/4")
- ◆ minimal maintenance costs
- ◆ 3 year material and workmanship warranty (*excludes normal wear & tear*)



LPH Self-Clean Filter

The LPH self-clean filter is ideally suited to those applications where regular stirring of the fluid is beneficial and very low product loss is essential.

The LPH self-clean filter has all the advantages of the LP self-clean filter, plus:

- ◆ Lift-out element and blade assembly for quick and easy change-over or cleaning
- ◆ Paddle stirs the fluid on the 'dirty' side of the element allowing agitation of the product and restricting build up of solids on the bowl
- ◆ Paddle directs the debris towards the discharge valve
- ◆ Optional paddle to stir the fluid on the 'clean' side of the element
- ◆ Self-draining at the end of a batch, minimising product losses
- ◆ Optional heating jacket
- ◆ High Pressure version available.

Oxford Filtration Ltd manufacture and supply a comprehensive range of market leading strainers including simplex and duplex basket type, Y type, temporary, fabricated strainers and self clean filters. Most common materials such as cast iron carbon and stainless steel and bronze are available and also special material builds.



The policy of Oxford Filtration Ltd is one of continuous product improvement. The right is therefore reserved to amend specifications and product dimensions without prior notice.