



WHITE KNIGHT
.....engineer approved™

CATCHER™ PRE-FILTERS



Protect Pumps from Wafer Shards and Harmful Debris

Catcher™ pre-filters extend the life of your pumps. Their larger through holes prevent loading their filter with fine crystals while still filtering solids that could damage pumps. Their filters can be removed and cleaned without disconnecting liquid lines. In-line and pump-mounted options are available. White Knight pumps damaged by passing solids while using Catchers™ are repaired under warranty.



PSA060 with
FD12-S-MF12



PSA060 with
FD12-P-BX00

Features & Benefits

- Process-safe PTFE, PFA flow paths
- Safe, leak-free operation
- In-line and pump-mounted options
- Large through-holes to avoid loading
- Operate ≤210°C with appropriate connections; FLR and NPT ≤100°C
- Capable of ≤7 Bar (100 psi) pressure
- Remove and clean filters without disconnecting pump or liquid lines
- Minimal parts for durable design
- Various liquid connection options
- Easy to install and service

FD12 - S - B F12

F08 - 021

(optional)

0 1 2 3 4 5

Standard options highlighted

0. Model		1. Mount Position		2. Fitting Port	
1/2-in pre-filter	FD08	Mounted	P	Buttress	B
3/4-in pre-filter	FD12	Standalone	S	Machined	M
1-in pre-filter	FD16				

FD08, FD12 are mounted or standalone. FD16 are mounted with buttress only. Mounted 08, 12, and 16 pre-filters fit 030, 060, and 140 products, respectively. Only specify outlet if different than inlet.

Model Compatibility			
Standalone		Mounted	
Machined		Buttress	
FD08-S-M	FD12-S-M	FD12-S-B	FD08-P-B
			FD16-P-B

Liquid Fittings	3. Inlet	4. Outlet	Model Compatibility	
			Standalone	Mounted
No Fitting	X00	X00		✓
Plugged	B00	B00		✓
Machined 1/2 in. Flare	F08	F08	✓	
Machined 3/4 in. Flare	F12	F12		✓
Flaretek Compatible	1/2 in.	F08		✓
	3/4 in.	F12		✓
	1 in.	F16		✓
	1-1/4 in.	F20		✓
Pillar S-300	3/8 in.	P06		✓
	1/2 in.	P08		✓
	3/4 in.	P12		✓
	1 in.	P16		✓
	1-1/4 in.	P20		✓
PrimeLock	1/2 in.	L08		✓
	3/4 in.	L12		✓
	1 in.	L16		✓
Machined 1 in. FNPT	N16	N16	✓	
FNPT	1/2 in.	N08		✓
	3/4 in.	N12		✓
	1 in.	N16		✓
Tube Out	1/2 in.	T08		✓
	3/4 in.	T12		✓
	1 in.	T16		✓
	1-1/4 in.	T20		✓
Weldable	3/4 in.	W12		✓
	1 in.	W16		✓

Product-Mounted Catcher™ Pre-Filters

Mounted pre-filters go between the pump inlet and its inlet fitting. They also fit on inlet ports of other White Knight products.



FD08-P-BX00

Compatible pumps:
PFA015, PFA030, PSA015,
PSA030, PSR025, PXA030



FD12-P-BX00

Compatible pumps:
PFA060, PSA060,
PSR050, PXA060



FD16-P-BX00

Compatible pumps:
PFA140, PS140, PXA140

Standalone In-Line Catcher™ Pre-Filters

In-line pre-filters should be placed between your pump inlet fitting and other components in the fluid line. They can also be used to protect other equipment in your tool from harmful wafer shards and debris.



FD08-S-MF08

In-line pre-filters are compatible with all White Knight pumps.



FD12-S-MF12



FD12-S-BX00

5. Screen Orifice	
.043-in	Blank
.021-in	021



Blank options are not NPT nor any other standard. Pillar fittings require nut and ferrule and are NOT supplied by White Knight. Contact us for copy exact code activation information.

<https://wkfluidhandling.com/pre-filters/>



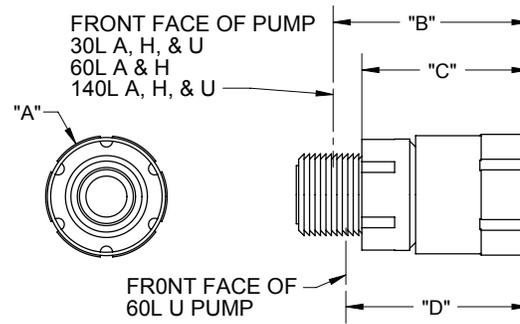


Dimensions

Product-Mounted

mm (inches)

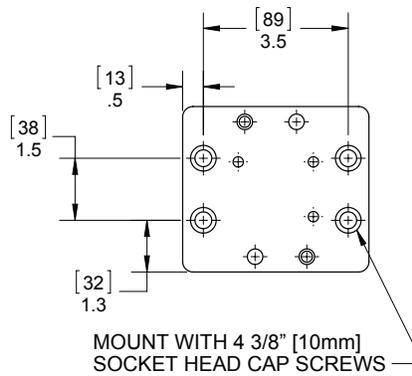
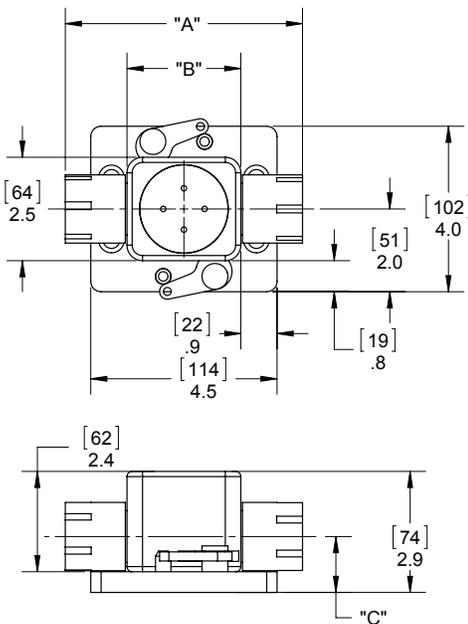
	FD08-P-BX00	FD12-P-BX00	FD16-P-BX00
A	1.9 (48)	1.9 (48)	2.4 (61)
B	2.3 (58)	3.0 (76)	4.1 (104)
C	2.2 (56)	2.6 (66)	3.5 (89)
D	n/a	2.8 (71)	n/a



Specifications

Model	CV
FD08-S-MF08	2.4
FD08-S-MF08-021	2.0
FD08-P-BX00	2.2
FD08-P-BX00-021	2.0
FD12-S-MF12	4.2
FD12-S-MF12-021	4.2
FD12-P-BX00	4.8
FD12-P-BX00-021	4.8
FD16-P-BX00	12.8

FD08-S-MF08 & FD12-S-MF12

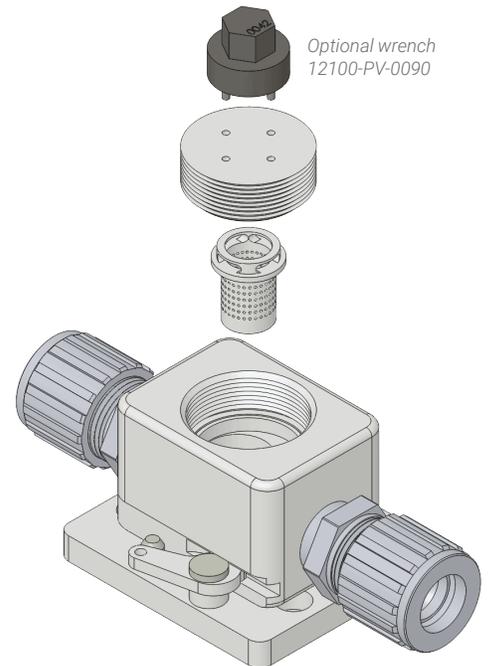


Dimensions in mm (inches)

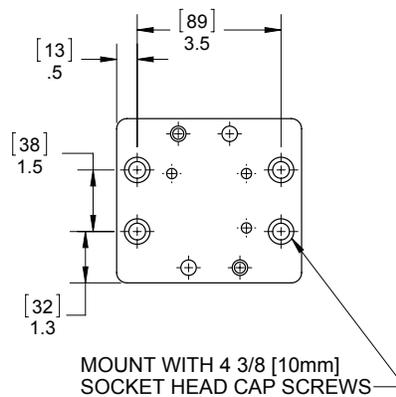
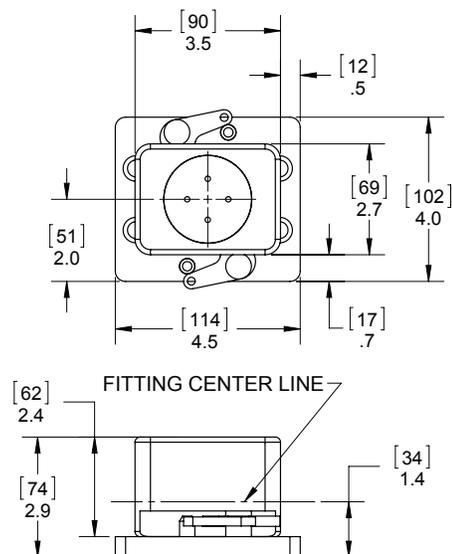
	FD08-S-MF08	FD12-S-MF12
A	5.4 (137)	5.7 (145)
B	2.7(69)	2.8 (71)
C	1.3 (33)	1.4 (36)

Filter Maintenance

Filters can be removed and cleaned without disconnecting liquid lines.



FD12-S-MN12



*SAME LIQUID FITTINGS AVAILABLE FOR BOTH PUMPS AND CATCHERS

