

# SFH Liquid Separators (Carbon Steel)

## Technical Data

Filtration Grade	Water Separator Models	Minimum Operating Pressure		Maximum Operating Pressure		Minimum Operating Temperature		Maximum Operating Temperature	
		bar g	psi g	bar g	psi g	°C	°F	°C	°F
SFH	SFH029N - SFH209N	1	15	16	232	2	35	60	140

## Flow Rates

Model	Pipe Size		L/S	m³/min	m³/hr	cfm
	Inlet	Outlet				
SFH029	DN80	DN80	490	29.4	1764	1038
SFH030	DN100	DN80	500	30.0	1800	1059
SFH037	DN100	DN100	610	36.6	2196	1293
SFH038	DN125	DN100	633	38.0	2280	1342
SFH066	DN125	DN125	1093	65.6	3936	2317
SFH067	DN150	DN125	1117	67.0	4020	2366
SFH088	DN150	DN150	1473	88.4	5304	3122
SFH089	DN200	DN150	1483	89.0	5340	3143
SFH097	DN200	DN200	1618	97.1	5826	3429
SFH142	DN250	DN200	2365	141.9	8514	5011
SFH180	DN300	DN200	2992	179.5	10770	6339
SFH209	DN350	DN200	3485	209.1	12546	7385

## Separator Coding Example

Example code
SFH067N

Stated flows are for operation at 7 bar (g) (102 psi g) with reference to 20°C, 1 bar (a), 0% relative water vapour pressure. For flows at other pressures, apply the correction factors shown below.

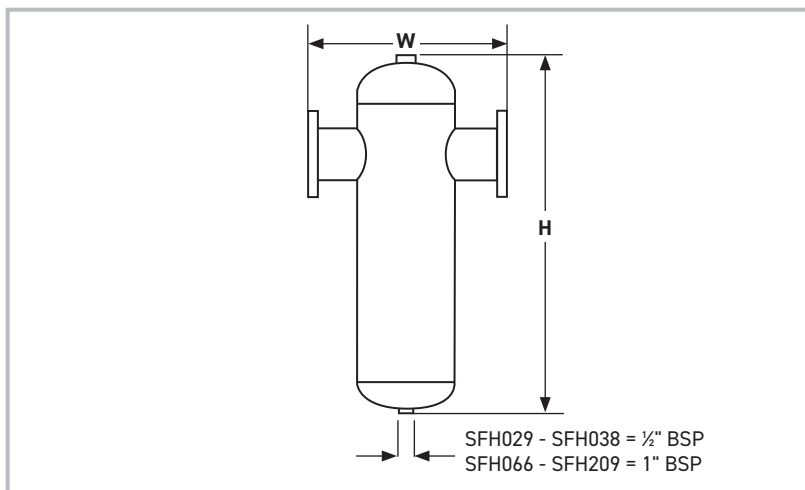
## Product Selection & Correction Factors

To correctly select a separator model, the flow rate of the separator must be adjusted for the minimum operating (inlet) pressure at the point of installation.

1. Obtain the minimum operating (inlet) pressure and maximum compressed air flow rate at the inlet of the filter.
2. Select the correction factor for minimum inlet pressure from the CFMIP table (always round down e.g. for 5.3 bar, use 5 bar correction factor)
3. Calculate the minimum filtration capacity. Minimum Filtration Capacity = Compressed Air Flow Rate x CFMIP
4. Using the minimum filtration capacity, select a filter model from the flow rate tables above (filter selected must have a flow rate equal to or greater than the minimum filtration capacity).

## CFMIP - Correction Factor Minimum Inlet Pressure

Minimum Inlet Pressure	bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor		4.00	2.63	2.00	1.59	1.33	1.14	1.00	0.94	0.89	0.85	0.82	0.79	0.76	0.73	0.71	0.68



## Weights & Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	ins	mm	ins	mm	ins	kg	lbs
SFH029	720	28.3	400	15.7	200	7.9	28	62
SFH030	720	28.3	400	15.7	200	7.9	29	64
SFH037	880	34.6	460	18.1	230	9.1	48	106
SFH038	880	34.6	460	18.1	230	9.1	49	108
SFH066	980	38.6	550	21.7	260	10.2	55	121
SFH067	980	38.6	550	21.7	260	10.2	56	123
SFH088	1060	41.7	570	22.4	290	11.4	82	180
SFH089	1060	41.7	570	22.4	290	11.4	85	187
SFH097	1160	45.7	660	26.0	320	12.6	126	277
SFH142	1255	49.4	680	26.8	351	13.8	148	326
SFH180	1455	57.3	750	29.5	390	15.4	160	352
SFH209	1655	65.2	830	32.7	430	16.9	205	451

## Parker Catalogue Numbers

Model	Catalogue Number Water Separator
SFH029	SFH029N
SFH030	SFH030N
SFH037	SFH037N
SFH038	SFH038N
SFH066	SFH066N
SFH067	SFH067N
SFH088	SFH088N
SFH089	SFH089N
SFH097	SFH097N
SFH142	SFH142N
SFH180	SFH180N
SFH209	SFH209N



FILCO® spol. s r.o.  
Dvorská 464/103  
CZ-503 11 Hradec Králové  
tel.: +420 495 436 233  
info@filco.cz,  
www.filco.cz

Váš lokální distributor Parker