

# SUCTION FILTER ELEMENT

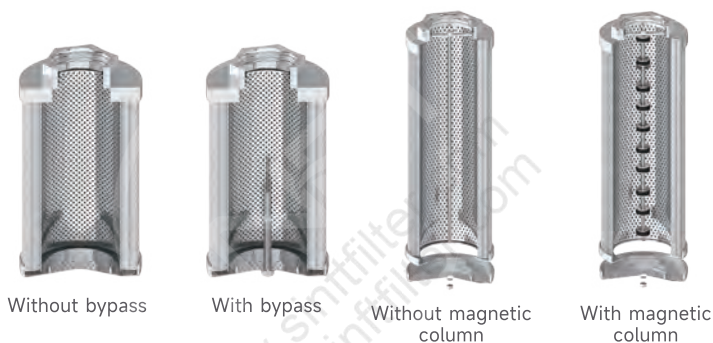
## Design Validation

- High viscosity  $\Delta P$  (pressure drop)
- High temperature
- Flow fatigue
- Used oil analysis
- Component durability
- 24/7 durability testing
- Fluid compatibility



**SINFTFILTER**  
HEBEI SINFT FILTER CO., LTD.

## TECHNICAL DATA



## Media Characterization Testing

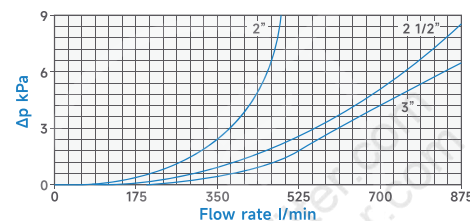
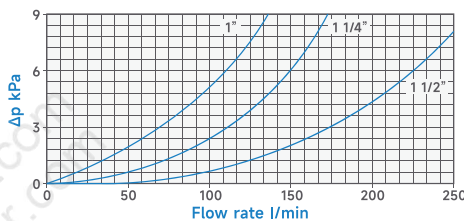
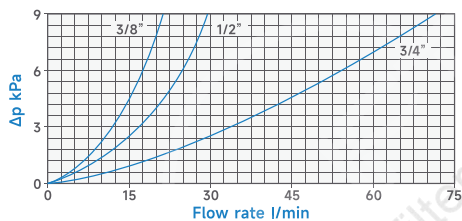
- Permeability
- Tensile strength
- Mullen burst
- Basis weight
- Pore size
- Thickness
- Gurley stiffness
- LEFS bench
- 3-Point bend

## Pressure drop

The curves are plotted using mineral oil with density of 0.86 kg/dm<sup>3</sup> in compliance with ISO 3968.

$\Delta p$  varies proportionally with density.

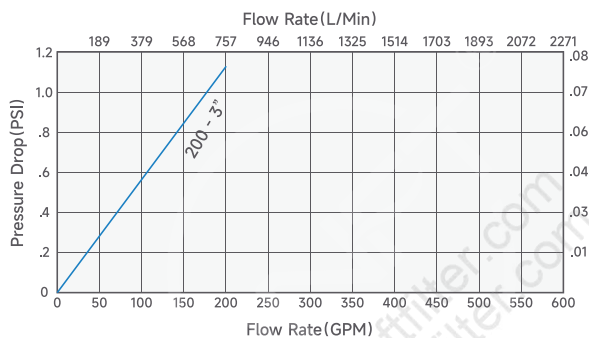
Filters pressure drop  $\Delta p$  in function of connection type



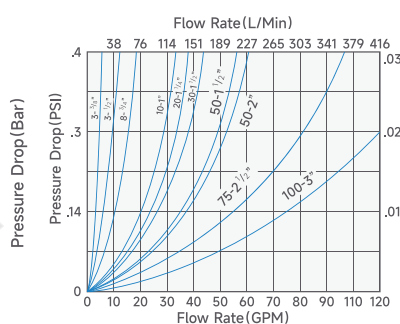
## PRODUCTS

### Suction Strainers

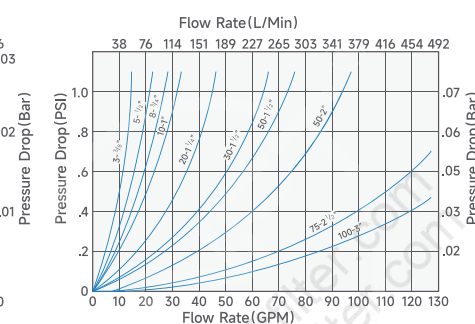
#### SEC (Steel Fitting) 200-300



#### PEC (Nylon Fitting) 3-100



#### SEH/SEC (Steel Fitting) 3-100



## FIOA SERIES

SINFT model	Description	Relief Valve Setting	Wire Mesh Size	Max. Flow (gpm/lpm)
SIN01-30001	FIOA 20	n/a	90micron	2.7/10
SIN01-30002	FIOA 50	n/a	90micron	6.6/25
SIN01-30003	FIOA 90	n/a	90micron	12.0/45
SIN01-30004	FIOA 130	n/a	90micron	17.3/65
SIN01-30005	FIOA 175	n/a	90micron	22.6/85

## SEC SERIES

SINFT model	Description	Relief Valve Setting	Wire Mesh Size	Max. Flow (gpm/lpm)
SIN01-2001	SEC-75-2.1/2-100	n/a	100	75/282
SIN01-2002	SEC-75-2.1/2-100-RV3	3psid/0.2bar	100	75/282
SIN01-2003	SEC-100-3-100	n/a	100	100/376
SIN01-2004	SEC-100-3-100-RV3	3psid/0.2bar	100	100/376
SIN01-2005	SEC-100-3-60	n/a	60	100/376
SIN01-2006	SEC-100-3-60-RV3	3psid/0.2bar	60	100/376
SIN01-2007	SEC-200-3-100	n/a	100	200/752
SIN01-2008	SEC-300-4-100	n/a	100	300/1128

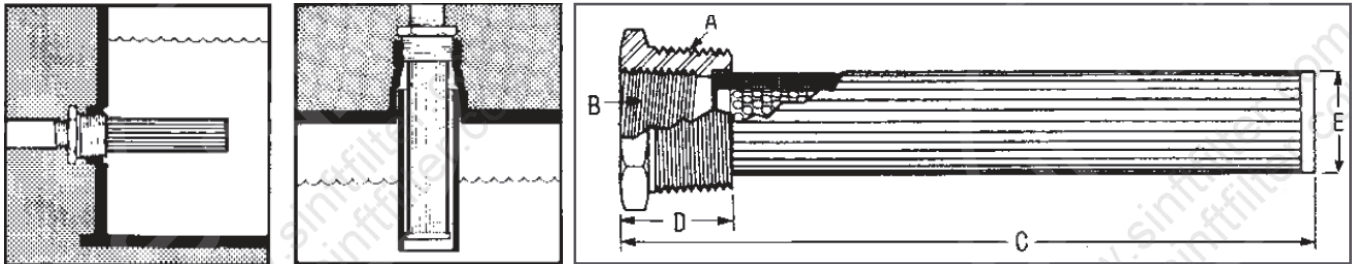
## SEH SERIES

SINFT model	Description	Relief Valve Setting	Wire Mesh Size	Max. Flow (gpm/lpm)
SIN01-1001	SEH-3-3/8-100	n/a	100	3/11
SIN01-1002	SEH-5-1/2-100	n/a	100	5/19
SIN01-1003	SEH-5-1/2-100-RV3	3psid/0.2bar	100	5/19
SIN01-1004	SEH-8-3/4-100	n/a	100	8/30
SIN01-1005	SEH-8-3/4-100-RV3	3psid/0.2bar	100	8/30
SIN01-1006	SEH-10-1-100	n/a	100	10/38
SIN01-1007	SEH-10-1-100-RV3	3psid/0.2bar	100	10/38
SIN01-1008	SEH-20-1.1/4-100	n/a	100	20/75
SIN01-1009	SEH-20-1.1/4-100-RV3	3psid/0.2bar	100	20/75
SIN01-1010	SEH-30-1.1/2-100	n/a	100	30/113
SIN01-1011	SEH-30-1.1/2-100-RV3	3psid/0.2bar	100	30/113
SIN01-1012	SEH-50-1.1/2-100	n/a	100	50/188
SIN01-1013	SEH-50-1.1/2-100-RV3	3psid/0.2bar	100	50/188
SIN01-1014	SEH-50-1.1/2-60	n/a	60	50/188
SIN01-1015	SEH-50-2-100	n/a	100	50/188
SIN01-1016	SEH-50-2-100-RV3	3psid/0.2bar	100	50/188

## PEC SERIES

SINFT model	Description	Relief Valve Setting	Wire Mesh Size	Max. Flow (gpm/lpm)
SIN01-0001	PEC-3-3/8-100	n/a	100	3/11
SIN01-0002	PEC-5-1/2-100	n/a	100	5/19
SIN01-0003	PEC-8-3/4-100	n/a	100	8/30
SIN01-0004	PEC-8-3/4-100-RV3	3psid/0.2bar	100	8/30
SIN01-0005	PEC-8-1-100	n/a	100	8/30
SIN01-0006	PEC-10-1-100	n/a	100	10/38
SIN01-0007	PEC-10-1-100-RV3	3psid/0.2bar	100	10/38
SIN01-0008	PEC-20-1.1/4-100	n/a	100	20/75
SIN01-0009	PEC-20-1.1/4-100-RV3	3psid/0.2bar	100	20/75
SIN01-0010	PEC-20-1.1/4-200	n/a	200	20/75
SIN01-0011	PEC-30-1.1/2-100	n/a	100	30/113
SIN01-0012	PEC-30-1.1/2-100-RV3	3psid/0.2bar	100	30/113
SIN01-0013	PEC-50-1.1/2-100	n/a	100	50/188
SIN01-0014	PEC-50-1.1/2-100-RV3	3psid/0.2bar	100	50/188
SIN01-0015	PEC-50-2-100	n/a	100	50/188
SIN01-0016	PEC-50-2-100-RV3	3psid/0.2bar	100	50/188
SIN01-0017	PEC-75-2.1/2-100	n/a	100	75/282
SIN01-0018	PEC-75-2.1/2-100-RV3	3psid/0.2bar	100	75/282
SIN01-0019	PEC-100-3-100	n/a	100	100/376
SIN01-0020	PEC-100-3-100-RV3	3psid/0.2bar	100	100/376
SIN01-0021	PEC-100-3-100-SST	n/a	100	100/376

## TANK MOUNTED STRAINERS



## STM SERIES

SINFT model	Description	Relief Valve Setting	Wire Mesh Size	Max. Flow (gpm/lpm)
SIN01-5001	STM-5-100	n/a	100	5/19
SIN01-5002	STM-5-100-RV5	5 psid/0.35 bar	100	5/19
SIN01-5003	STM-10-100	n/a	100	10/38
SIN01-5004	STM-10-100-RV5	5 psid/0.35 bar	100	10/38
SIN01-5005	STM-15-100	n/a	100	15/56
SIN01-5006	STM-15-100-RV5	5 psid/0.35 bar	100	15/56
SIN01-5007	STM-25-100	n/a	100	25/94
SIN01-5008	STM-25-100-RV5	5 psid/0.35 bar	100	25/94

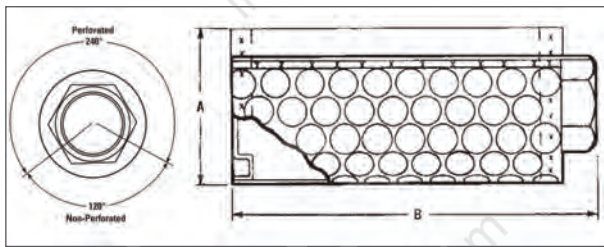


## TM SERIES

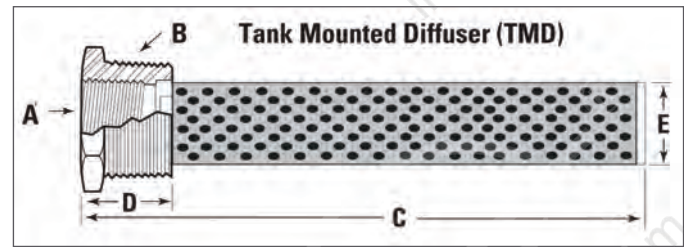
SINFT model	Description	Relief Valve Setting	Wire Mesh Size	Max. Flow (gpm/lpm)
SIN01-4001	TM-3-100	n/a	100	3/11
SIN01-4002	TM-5-100	n/a	100	5/19
SIN01-4003	TM-5-100-RV5	5 psid/0.35 bar	100	5/19
SIN01-4004	TM-10-100	n/a	100	10/38
SIN01-4005	TM-10-100-RV5	5 psid/0.35 bar	100	10/38
SIN01-4006	TM-10-60-RV5	5 psid/0.35 bar	60	10/38
SIN01-4007	TM-15-100	n/a	100	15/56
SIN01-4008	TM-15-100-RV5	5 psid/0.35 bar	100	15/56
SIN01-4009	TM-25-100	n/a	100	25/94
SIN01-4010	TM-25-100-RV5	5 psid/0.35 bar	200	25/94
SIN01-4011	TM-25-200-RV5	5 psid/0.35 bar	200	25/94
SIN01-4012	TM-50-100	n/a	100	50/188
SIN01-4013	TM-50-100-RV3	3 psid/0.2 bar	100	50/188
SIN01-4014	TM-50-100-RV5	5 psid/0.35 bar	100	50/188
SIN01-4015	TM-100-100	n/a	100	100/376
SIN01-4016	TM-100-100-RV5	5 psid/0.35 bar	100	100/376

## DIFFUSERS

### Line Mounted Diffuser (DFD)



### Tank Mounted Diffuser (TMD)



## TMD SERIES

SINFT model	Description	Rated Flow gpm/lpm
SIN01-6001	TMD-5	5/19
SIN01-6002	TMD-10	10/38
SIN01-6003	TMD-15	15/59
SIN01-6004	TMD-25	25/95
SIN01-6005	TMD-50	50/189

## DFD SERIES

SINFT model	Description	Rated Flow gpm/lpm
SIN01-7001	DFD-30	33/125
SIN01-7002	DFD-60	53/201
SIN01-7003	DFD-90	93/342
SIN01-7004	DFD-120	126/479
SIN01-7005	DFD-200	209/794
SIN01-7006	DFD-250	300/1140
SIN01-7007	DFD-300	450/1748