Entegris

WAFERGARD® T–LINE GAS FILTERS

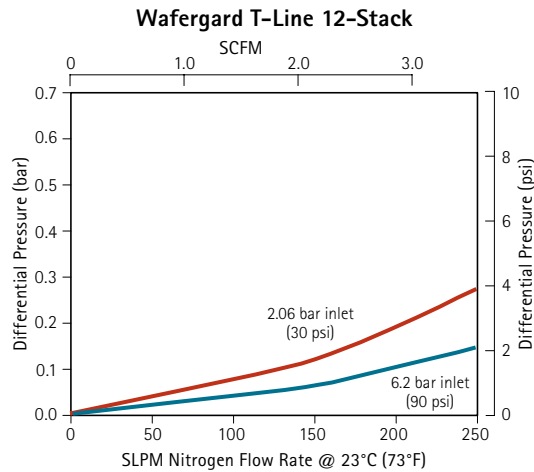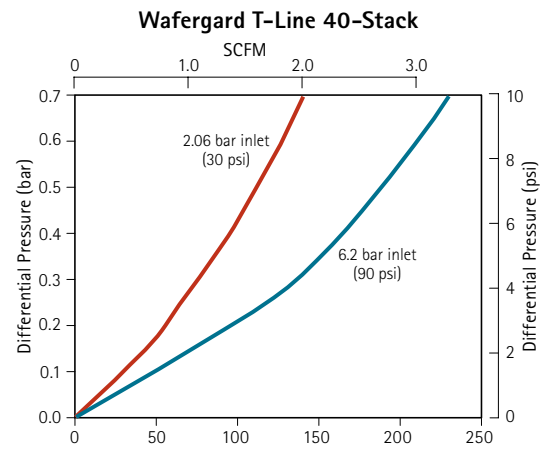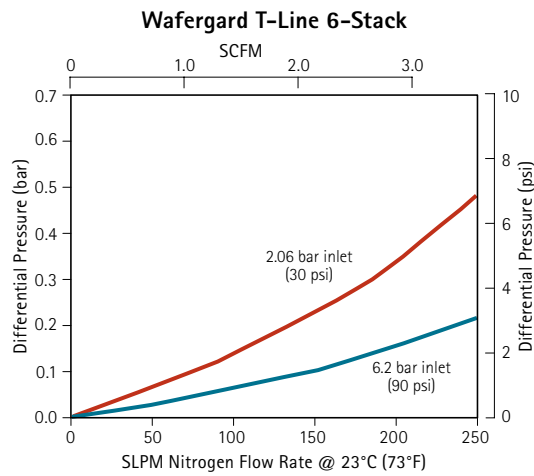*Clean, dry air for industrial applications*

Overview

Entegris Wafergard® T-line filters are designed for the removal of particles in non-toxic and non-flammable inert gas applications requiring flow rates of up to 1500 SLPM (50 SCFM). Units are typically used in pneumatically driven equipment with 6-stack, 12-stack and 40-stack gas cartridge filters.
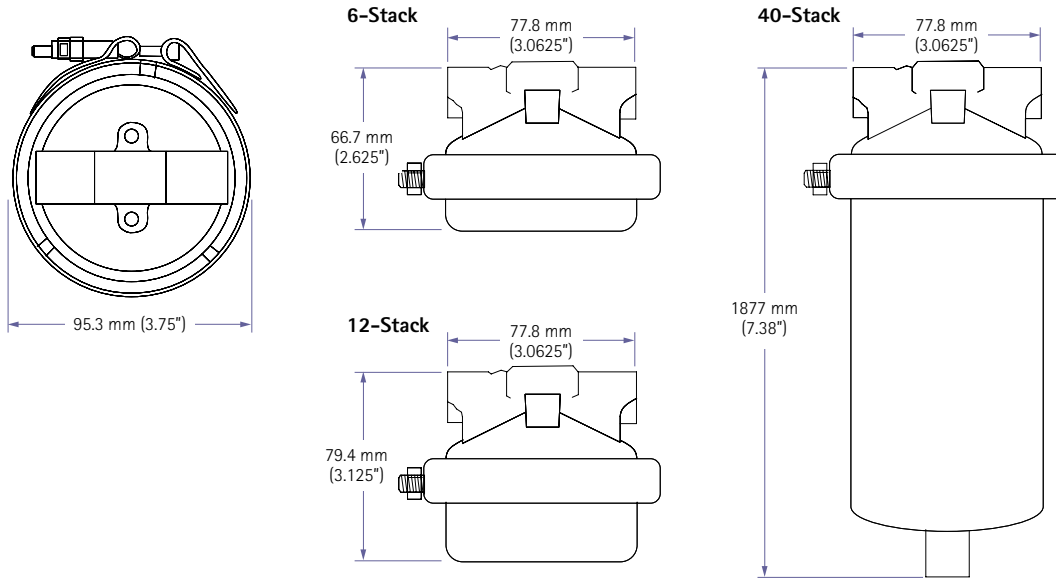
Features and Benefits

- Effectively retains particles of 0.003 µm size and above

- Easy filter replacement without breaking gas line connections

- Multiple configurations for process optimization

- Integrity tested for maximum performance and purity

Performance Data

Wafergard T–Line 6–Stack

Wafergard T–Line 40–Stack

Wafergard T–Line 12–Stack

Dimensions

6-Stack
77.8 mm (3.0625")
66.7 mm (2.625")

12-Stack
77.8 mm (3.0625")
79.4 mm (3.125")

40-Stack
77.8 mm (3.0625")
1877 mm (7.38")

95.3 mm (3.75")

Specifications

Materials:	Housing	Head and bowl are electropolished 316 stainless steel with Viton® o-ring
	Membrane	Hydrophobic Durapore® PVDF membrane supported by molded polysulfone stacked disk
Filter seal:	Viton o-ring (alternate EPR o-ring seal included)	
Removal rating:	0.003 µm	
Filter area:	6-stack	300 cm² (46.5 in²)
	12-stack	600 cm² (93.6 in²)
	40-stack	2000 cm² (2.2 ft²)
Flow rate:	6-stack	up to 300 SLPM (10 SCFM)
	12-stack	up to 600 SLPM (20 SCFM)
	40-stack	up to 1500 SLPM (50 SCFM)
Operating conditions:	Maximum inlet pressure	10.5 bar (150 psig) @ 20°C (68°F), 3.5 bar (50 psid) @ 100°C (212°F)
	Maximum differential pressure	4 bar (60 psid) @ 20°C (68°F)
	Maximum back pressure	0.7 bar (10 psid) @ 20°C (68°F)
	Maximum recommended temperature	120°C (248°F)
Warranty:	2 year	
Particle retention:	Greater than 99.9999999% removal of all particles (referenced at the most penetrating particle size)	

Ordering Information

6–Stack Filter System

Part Number	Description	Fitting Size/Quantity
YY50 00 510	Housing	$1/4$" FNPT
WGGB 06 S02	Cartridge filter, 2-115 o-ring	2 per package

12–Stack Filter System

Part Number	Description	Fitting Size/Quantity
YY50 00 500	Housing	$1/4$" FNPT
WGGB 12 S02	Cartridge filter, 2-115 o-ring	2 per package

40–Stack Filter System

Part Number	Description	Fitting Size/Quantity
YY55 00 030	Housing	$1/2$" FNPT
WGGB 40 S01	Cartridge filter, 2-118 o-ring	2 per package

Accessories

Part Number	Description	Fitting Size/Quantity
YY50 00 561	Clamp, 40-stack housing system	
YY55 00 031	Surface/wall mounting bracket, 40-stack housing system	
YY50 00 521	Wall mounting bracket (6-stack and 12-stack housings)	
YY50 00 551	Surface mounting bracket (6-stack and 12-stack housings)	
YY50 00 511	$1/4$" FNPT to $1/4$" compression seal adaptor	2 per package
YY50 00 512	$1/4$" FNPT to $3/8$" compression seal adaptor	2 per package
YY50 00 571	O-ring, 2-337, Viton	
YY55 00 002	O-ring, 2-337 E-P	
YY55 00 003	O-ring, 2-337 silicone	

For More Information

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