

MegaTorr[®] PS22 XCDA[®] Gas Purifiers

*Efficient bulk gas removal of H₂O,
organic, refractory compound, acid,
and base impurities*

The auto regenerable MegaTorr[®] PS22 Series XCDA[®] (Extreme Clean Dry Air) purifiers are enhanced, optimized designs providing sub-ppb performance in compact footprints.

Entegris has drawn on years of experience in ultra-high purity (UHP) piping design, advanced process material analysis, and state-of-the-art integrated control systems to develop this family of purifiers to meet the needs of low capital cost, high reliability, and high performance.

APPLICATIONS

- Semiconductor
- Data storage
- Flat panel display
- LED
- Solar

FEATURES & BENEFITS

Uses ambient temperature adsorption processes	Provide ultra-high purity XCDA [®] gas for semiconductor applications
Optimized design	Provides sub-ppb performance in small footprints with flow rates up to 250,000 slpm (15,000 Nm ³ /hr)



Optimized design with flow rates up to 250,000 slpm

SPECIFICATIONS

Gas purified	XCDA	
Impurities removed	H ₂ O <100 ppt	
	Organics, refractory compound, acids, bases <10 ppt	
Flow rates	Nm³/hr	slpm
PS22-MGT10 - PS22-MGT30	10 - 30	167 - 500
PS22-MGT40 - PS22-MGT60	40 - 60	667 - 1,000
PS22-MGT90 - PS22-MGT120	90 - 120	1,500 - 2,000
PS22-MGT200 - PS22-MGT300	200 - 300	3,333 - 5,000
PS22-MGT400 - PS22-MGT600	400 - 600	6,667 - 10,000
PS22-MGT1000 - PS22-MGT1400	1,000 - 1,400	16,667 - 23,333
PS22-MGT1500 - PS22-MGT3000	1,500 - 3,000	25,000 - 50,000
PS22-MGT4000 - PS22-MGT5000	4,000 - 5,000	66,667 - 83,333
PS22-MGT6000 - PS22-MGT10000	6,000 - 10,000	100,000 - 166,667
> PS22-MGT10000	>10,000 Nm ³ /hr	>166,667
Maximum pressure drop	PS22-MGT10 to PS22-MGT120	<0.7 bar (70 kPa)
	PS22-MGT200 to PS22-MGT10000	<1 bar (100 kPa)

Note: Purifiers are gas specific and should only be used for the gas indicated.

Standard Features

- Automated microprocessor controller
- HMI (Human Machine Interface)
- System alarms
- Electric gas preheaters
- Closed-loop temperature controls
- All-metal cabinet with doors
- High-temperature hardware interlock
- Over-pressurization safety relief system

Optional Features

- Inlet and outlet isolation valves
- Mass flowmeter with 4-20 mA output
- Inlet and outlet pressure transducers
- Instrument air management system
- Auto or manual bypass
- Ultrafine 0.003 µm particle filter
- Separate control power

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the [Contact Us](#) link to find the customer service center nearest you.

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