

On-Board 10F Cryopump

*Cuts Regeneration
Frequency In Half*

*Improves Sputtering
Tool Availability*

*Delivers Better
Vacuum Recovery*

*Increases Product
Output Between
Regenerations*

Backed by GUTS®

On-Board 10F Cryopump

The On-Board 10F Cryopump delivers increased pumping speeds and capacities in a small-footprint package. It addresses the needs of evolving large-substrate process applications, such as 300mm silicon wafers and flat panel displays, where larger process chambers need more pumping speed and capacity for maximum tool throughput.



The On-Board 10F Cryopump also improves performance in current-generation process applications through shorter pumpdown times, longer intervals between regenerations, and higher hydrogen speed for ion implantation.

The On-Board 10F Cryopump incorporates the proven cryogenic refrigerator of the On-Board 10 Cryopump. Reliability and long-life are assured. Furthermore, the On-Board 10F Cryopump is compatible with all CTI-Cryogenics high-capacity compressors, including the 9700 Compressor.

Performance
Specifications

	10F
Pumping Speeds	
Hydrogen	6800 l/s
Air	4000 l/s
Water Vapor	9500 l/s
Argon	3300 l/s
Throughput	
Argon, SCCM	1500 SCCM
Argon, Torr-liter/sec	19 Torr-l/s
Capacity	
Argon	2000 std liter
Hydrogen (5x10 ⁻⁴ Torr)	24 std liter
Crossover	
	300 Torr-liter
Nominal Regeneration Time (cold-cold)	
First & second stage	2 1/2 hrs.
Second stage*	<1 hour
Physical (approx.)	
Length (vessel center line)	12" (306mm)
Max. Dimension	9" (775mm)
Weight	90 lbs. (41kg)

Application-Specific
On-Board Modules

FastRegen Control Module for Sputtering	FastRegen Control Module for Ion Implantation	Network Module
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* With FastRegen Control Module

The On-Board 10 F Cryopump is available in standard ANSI, metal seal and ISO flange configurations. Specify desired module when ordering. Modules can be ordered separately to upgrade your current installed based of On-Board Cryopumps. (Note: FastRegen Control Modules include networking capability.)

Other cryopump configurations are also available. Contact your CTI-Cryogenics representative for complete information, including network layout assistance and detailed drawings for any pump configuration.

Backed by GUTS

All CTI-Cryogenics products are backed by the GUTS rapid response network, our unique, comprehensive customer support program. When you call a GUTS service center, you are guaranteed immediate, competent response and action by a vacuum expert from our world-wide technical support staff. We're at work for you 24 hours a day, 365 days a year. 1-800-FOR-GUTS (508-367-4887).

CTI-CRYOGENICS
HELIX TECHNOLOGY CORPORATION

CTI-Cryogenics • Nine Hampshire Street • Mansfield, MA 02048

1-800-CTI-CRYO Tel: 508-337-5000 Fax: 508-337-5169 www.helixtechnology.com

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