MODEL 763



DATASMARTTM

TAKE FULL CONTROL OF YOUR GAS USAGE

The HARRIS Model 763B DataSmart is a fully-automatic, electronically controlled gas switchover system that can provide continuous supply of gas from a variety of sources including high pressure cylinders, liquid cylinders or bulk gas containers. DataSmart includes a built-in WiFi-based telemetry system that allows the user to view and manage all aspects of the gas system. It is ideal for both industrial and high purity gases used in a variety of applications. The on-board software ensures optimal gas use and savings especially from liquid cylinders and can greatly reduce or eliminate venting and residual gas return.

TYPICAL APPLICATIONS

Analytical Laboratory
Calibration Gases
Welding/Metal Fabrication
Research
Food Processing

Chemical Processes Laser Assist Gases Manufacturing Pharma



Annual subscription service for telemetry can be ordered using P/N 9504630.

FEATURES

- + LCD Touchscreen control
- + Built-in, Wifi-based telemetry system and data acquisition via a remote server (connection to a Wifi network required)
- + Customized alerts and notifications via email and SMS
- + Check Back Feature for liquid dewars
- + Economizer for reserve side liquid dewars
- + Secure login to protect settings
- + Optional mass flow meter to measure current gas usage or usage over time
- + 500 scfh heater for CO2 and N2O or mixtures
- + Optional Remote A/V Alarm
- + Modular, expandable header system for multiple cylinders
- + Designed for high purity or industrial grade gases
- + Brass and SS models available

SPECIFICATIONS

- + Max inlet pressure up to 4500 psi
- + Outlet pressures up to 450 psi
- + Output flows up to 3000 scfh (air)
- + Programmable switchover pressure for both right and left side from 70 to 1500 psig
- + Class 1, Division 2 NEMA enclosures
- + Filter 10 Micron
- + Electrical Requirement 120VAC 50/60Hz
- + Inlet ports 1/2" NPT
- + Outlet Port 1/2" NPT
- + Temperature range 0 F to +140 F
- + Weight 68 lbs

MATERIALS

- + Regulator body brass or 316L SS
- + Diaphragms 300 series SS
- + Regulator Seats PCTFE
- + Seals PTFE
- + Valve seat PTFE
- + Valve stem SS
- + Enclosures NEMA 4x powder coated steel



Harris Products Group A Lincoln Electric Company 1.800.733.4043 hpgcustserv@lincolnelectric.com Contact Harris Specialty Gas for pricing and custom configurations 1.800.733.4043 Option 2

ORDERING INFORMATION



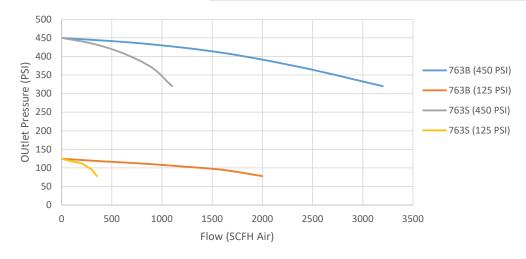
Example:

763B D 3R 48 1L 72 580 DF

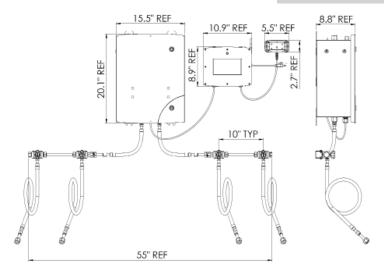
(Brass DataSmart, 125 psi outlet, 3 right side cylinders w/48" pigtails, 1 left side cylinder with 72" pigtail, CGA 580, with inlet isolation valves and standard outlet fitting, Remote alarm w/10' cable

Series	Cylinder Spacing	Pigtail Type	Right # of Cylinders	Right Pigtail Length	Left # of Cylinders	Left Pigtail Length	Gas Service (CGA Connection)	Accessories	Options	Crossover Header
763B (Brass, 125 psi outlet) 763BEX (Brass, 500 psi outlet) 763S (SS, 125 psi outlet) 763SEX (SS, 500 psi outlet)	Leave blank for STD (10") Add "S" for opt 5" spacing	D - PTFE Lined Double Braid SS A - SS Armor Cased	up to 25	24" 36" 48" 72" 120"	up to 25	24" 36" 48" 72" 120"	000 (No CGA) 240 (SS Only) 280 296 320 320HT (Hand Tight) 326 330 (SS only) 346 346HT (Hand Tight) 350 500 510P 540 540HT (Hand Tight) 555 580 580HT (Hand Tight) 590 347 660 (SS Only) 680 705 (SS Only)	A - 1/8" Inlet Compression Fitting B - 1/4" Inlet Compression Fitting C - 3/8" Inlet Compression Fitting D - Inlet Isolation Valve E - Inlet Purge Valves F - Std Outlet Fitting (CGA 1340/1350) G - 1/8" Outlet Compression Fitting H - 1/4" Outlet Compression Fitting J - 3/8" Outlet Compression Fitting K - Outlet Isolation Valve M - Outlet Purge Valve N - Mass Flowmeter P - Ethernet Router	1 - A/V Alarm w/10' Cable 2 - A/V Alarm w/50' Cable 4 - A/V Alarm w/100' Cable 8 - Assemble Headers	Y Leave blank for No

MODEL 763 FLOW CURVES



MODEL 763 MOUNTING DIMENSIONS





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