MODEL 763 DATASMART™

TAKE FULL CONTROL OF YOUR GAS USAGE



KEY FEATURES

The HARRIS Model 763 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.

The Model 763 DataSmart™ is ideally used for:

- » Analytical Laboratory
- » Manufacturing Facilities
- » Research Facilities
- » Pharmaceuticals
- » Welding/Metal Fabrication
- » Food Processing
- » Calibration Gases
- » Chemical Processes
- » Laser Assist Gases

Input » 120VAC 50/60Hz





KEY FEATURES CONTINUED

- » 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
- » Min inlet pressure 100 psi required
- » 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

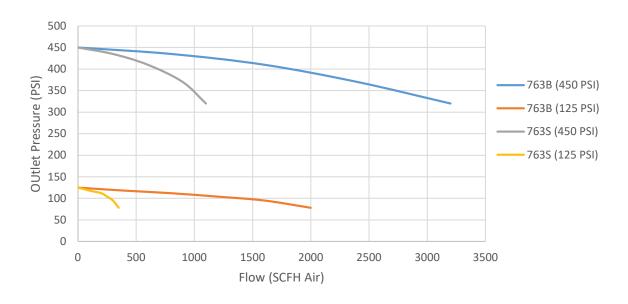
- » Filter 10 Micron
- » Electrical Requirement 120VAC 50/60Hz
- » Inlet ports 1/2" NPT
- » Outlet Port 1/2" NPT
- » Temperature range 0 F to +140 F
- » Weight 68 lbs

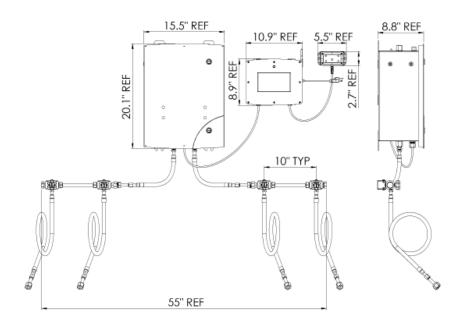
MATERIALS

- » 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

GAS FLOW CURVES





RECOMMENDED ACCESSORIES



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The Model 763 DataSmart can be configured to include a Mass Flow Meter that captures gas usage data which can be accessed via the integrated telemetry system..



Alarm Box

The DataSmart system can be configured to include a remote alarm that provides both visual and audible indication of an alarm condition. It comes with a choice of cable length (10', 50', 100') and the 70dB alarm is audible up to 200' away.

Telemetry Subscription Service (Annual)

Harris offers a subscription service, DataSMART Production Analytics, that provides access to operational data and analytics as well as providing text and email alerts to improve process reliability and efficiency (requires Wifi network access). Order Part # 9504630. Order 9504630

PRODUCT INFORMATION

Example:

763B D 3R 48 1L 72 580 DF 1

(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) 763BHL (Brass, heated) 763SHL (SS, heated)	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

Contact Harris Specialty Gas for pricing and custom configurations 1.800.733.4043 Option 2

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