

MODEL 763



DATASMART™

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	Chemical Processes
Calibration Gases	Laser Assist Gases
Welding/Metal Fabrication	Manufacturing
Research	Pharma
Food Processing	



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



A LINCOLN ELECTRIC COMPANY

Harris Products Group
A Lincoln Electric Company
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**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

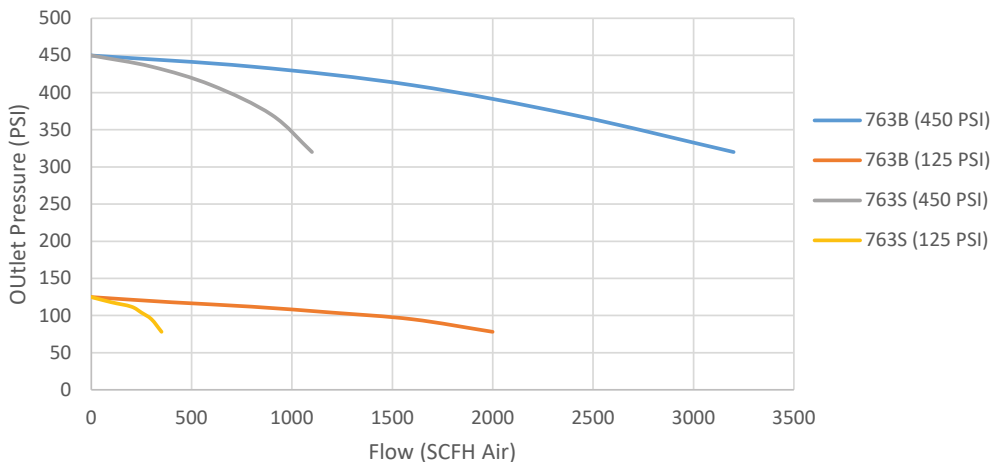
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(Brass DataSmart, 125 psi outlet, 3 right side cylinders w/48" pigtails, 1 left side cylinder with 72" pigtail, CGA 580, with inlet isolation valves and standard outlet fitting, Remote alarm w/10' cable

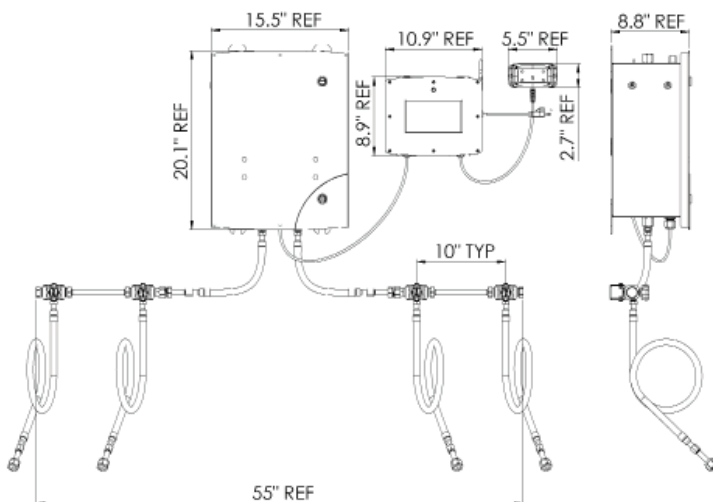
Series	Cylinder Spacing	Pigtail Type	Right # of Cylinders	Right Pigtail Length	Left # of Cylinders	Left Pigtail Length	Gas Service (CGA Connection)	Accessories	Options	Crossover Header
763B (Brass, 125 psi outlet)	Leave blank for STD (10") Add "S" for opt 5" spacing	D - PTFE Lined Double	up to 25	24"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

Telemetry Annual Subscription Service – Ordering Number 9504630

MODEL 763 FLOW CURVES



MODEL 763 MOUNTING DIMENSIONS



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