

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

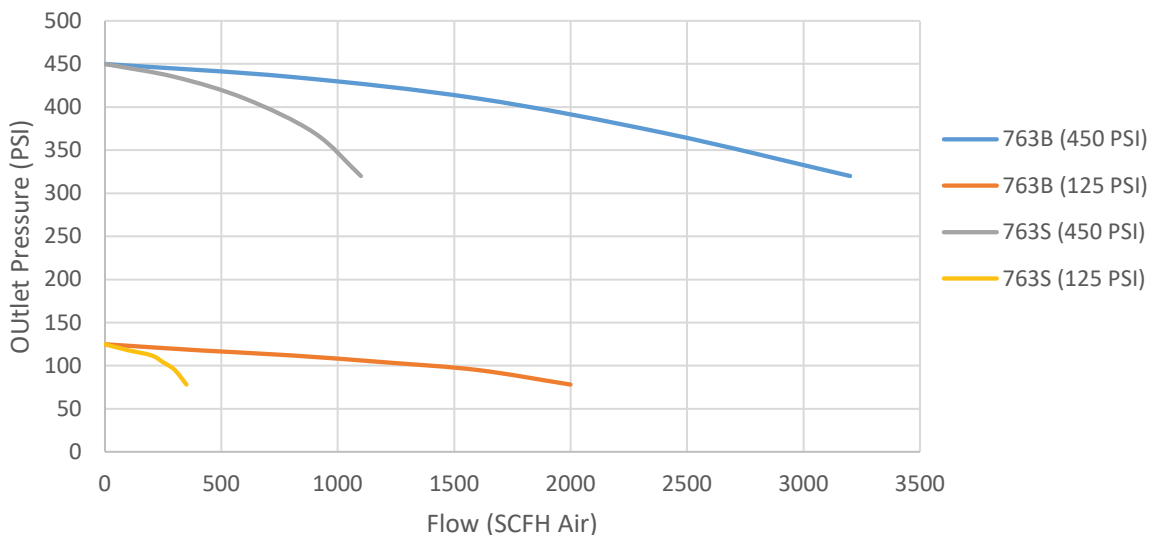
SPECIFICATIONS

- » 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

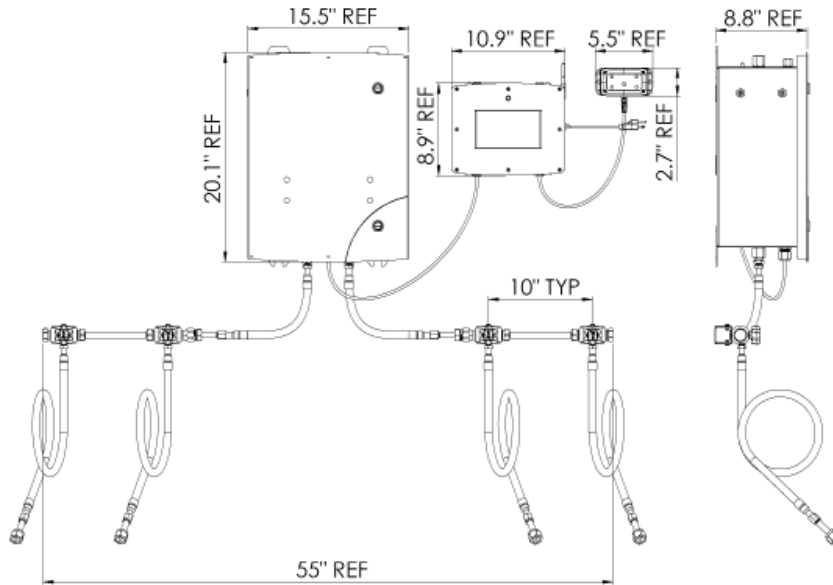
MATERIALS

- » 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



MODEL 763 MOUNTING DIMENSIONS



RECOMMENDED ACCESSORIES



Mass Flow Meter

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

