

Superior Performance in Harsh Environments



**Air preparation solutions
for precise, reliable pressure
regulation.**

Meeting Your Air Preparation Needs in Harsh Process Environments

- **High Flow.** Designed to provide industry leading flow rate capability, up to 370.8 SCFM (10,500 L/m), maximizing process valve efficiency.
- **Robust and Reliable.** Aluminum design with powder coating provides excellent salt spray resistance to maximize life span. Rugged bolt adjustment design tailored for process environment.
- **Customizable.** Choose from a wide range of options, including low-temperature and low-copper variants, as well as manual and automatic draining features.
- **Failsafe.** Optional Quick Relief feature ensures downstream equipment go into failsafe mode in the event of lost air supply by venting pressure back through inlet.

AscoTM

 **EMERSON**TM

High Flow Meets High Performance.

The ASCO™ Series 641/2/3 Aluminum Filter Regulator is the latest addition to our air preparation product lineup. These high-flow solutions incorporate a robust yet flexible design for reliable performance in harsh environments, and we offer quick delivery to ensure you meet your aggressive time-to-market goals in process applications. Choose from a wide range of options, including low-temperature and low-copper variants, as well as manual and automatic draining, to prevent fluid or gas contamination.

Specifications

ASCO™ Series 641/2/3 Aluminum Filter Regulator	
Port Size and Thread Type	1/4", 3/8", 1/2", 3/4" and 1" NPT & G
Fluid	Air or Inert Gas
Flow Range	78 to 370.8 SCFM (2,210 to 10,500 l/m)
Max. Inlet Pressure, Manual Drain	290 psi (20 Bar)
Max. Inlet Pressure, Automatic Drain	641: 36.3 to 160 psi (2.5 to 11 Bar) 642 & 643: 7.3 to 247 psi (0.5 to 17 Bar)
Adjustable Pressure	7.3 to 152.3 psi (0.5 to 10.5 Bar)
Filter Capacity	5µm, 25µm, 40µm
Ambient Temperature Rating	Manual Drain: -40°F to 194°F (-40°C to 90°C) Automatic Drain: 32°F to 194°F (0°C to 90°C)
Certifications	ATEX, CRN, UKCA

	ASCO™ Series 641	ASCO™ Series 642	ASCO™ Series 643
			
Port Size	1/4", 3/8", 1/2"	1/4", 1/2"	3/4", 1"
Flow Rate	Up to 101 SCFM / 2,880 L/min	Up to 204 SCFM / 5,800 L/min	Up to 370 SCFM / 10,500 L/min



For more information:
www.Emerson.com/ASCO

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