

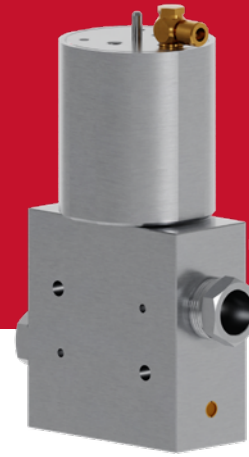
MAXIMATOR[®]
maximum pressure



Valvolution **X**

The New Ultra Compact
Air Actuated H2 Valve

ValvolutionX-Series



Ultra Compact Air Actuated H₂ Valves

- Compact valve series for hydrogen refuelling stations
- Use for shut-off and distribution at gas storage banks

15 VX Valve Series	16M O.D. Tube Size	Valve Body Type	Body Pattern	Configuration
15 VX	9M - 9/16"	1 - flat design	11 - two-way one bottom & one top connection	PNC = Air-drive normally closed
	12M - 3/4"			
	16M - 1"			

Technical Data and Dimensions

Technical Data

Operating temperature*: -40°F / 185°F (-40°C / +85°C)
 Ambient temperature: -40°F / 140°F (-40°C / +60°C)

Drive pressure: 73 psi-145 psi (5-10 bar)
 Operating pressure: 15,200 psi (1,050 bar)
 Rated c_v : 2.4

Materials

Valve body: 1.4404 (SST 316L)

Dimensions

Height / Length / Width: 9.9 / 6.3 / 3.4 in
 (251 / 161 / 87.5 mm)

Net weight: approx. 10 kg
 Internal Orifice**: 0.44 in (11.2 mm)

Connections

Air supply (PL): 1/8" BSP
 High pressure port (A): 9M / 12M / 16M
 Leakage port (Z1/Z2): 1/8" BSP

* Design Temperature. Please consult factory for further information and application consultancy.
 ** internal Orifice; reduced effective orifice in accordance with connection / tubing orifice (9M/12M)

Features



Space reduction



In-situ maintenance



High pressure leakage connections



Weight reduction

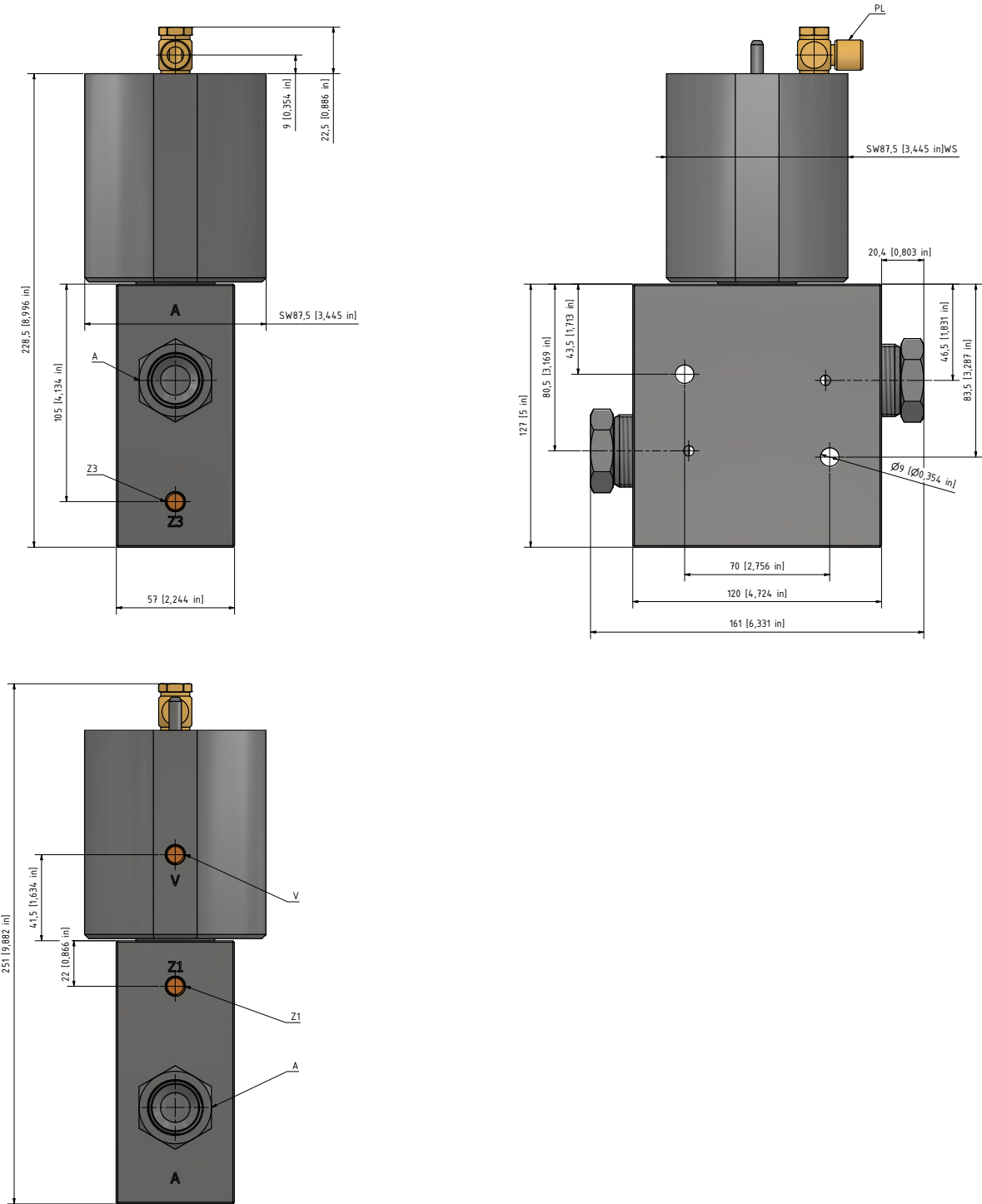


Bidirectional operation



Convincing service life

Ordering Information
Typical catalog number:
15VX16M111-PNC



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Discover the future of valve technology with ValvolutionX!

Our new ValvolutionX valve series offers maximum precision, reliability and efficiency. Developed for demanding hydrogen applications, ValvolutionX sets new standards in high-pressure valve technology.

Benefit from innovative functions and an ultra-compact design that optimise your processes and increase your productivity. Put your trust in ValvolutionX - the perfect solution for your requirements.

Compared to conventional high-pressure needle valves with compressed air actuators, ValvolutionX breaks new grounds with:



Space Reduction



Service Time Reduction



Weight Reduction



Visit www.maximator.de

MAXIMATOR GmbH

Lange Strasse 6, 99734 Nordhausen,
Germany
Telephone +49 3631 9533 0
info@maximator.de
www.maximator.de

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