

MAXIMATOR®

Maximum Pressure.



High Pressure Technology • Testing Equipment

Technical Data Sheet

Pressure Switch with pneumatic signal



The Air Pilot Switches are designed to switch a pneumatic signal and are used to shut-on or shut-off MAXIMATOR pumps and boosters upon achieving a desired outlet pressure. The Air Pilot Switches are available in various pressure ranges for outlet pressures from 10 to 1,000 bar. The switch does contains both functions „Air to open“ and „Air to close“.

Benefits

- Exact limitation of the outlet pressure
- Suitable for liquids and gases
- Easy to install
- Long lifetime

Technical Data:

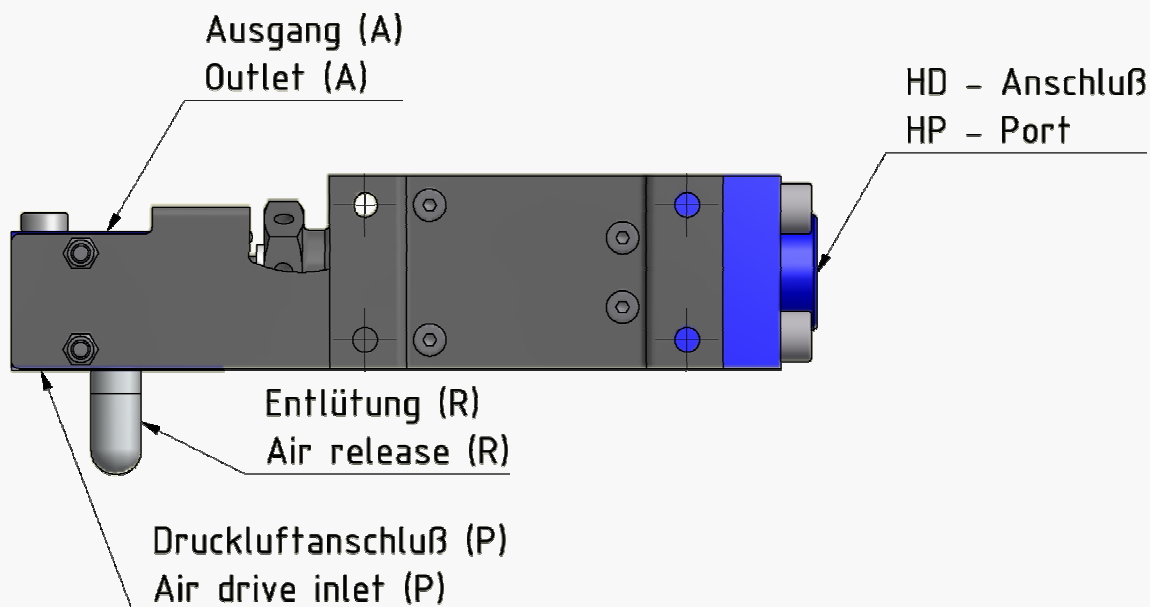
	Setting range				
	10 - 30 bar	30 - 100 bar	100 - 300 bar	150 - 400 bar	300 - 1000 bar
Max. control pressure (bar)	8	8	8	8	8
Min. control pressure (bar)	3,5	3,5	3,5	3,5	3,5
Switch hysteresis (bar)	ca. 3	ca. 10	ca. 30	ca. 40	ca. 100
Max. outlet pressure (bar)	350	1050	1050*	1050*	1050*
Fluid temperature (°C)	-10 - +60				
Environmental temperature (°C)	-10 - +60				
Connections					
High pressure connections	4B → 1/4" BSP connection with outer sealing 4P → 1/4" NPT connection 4M → MAXIMATOR 1/4" Medium Pressure				
Inlet (P) Compressed air connection	1/8" BSP				
Outlet (A)	1/8" BSP				
Ventilation connection (R)	1/8" BSP (for silencer)				

*With 4M connection the max. operating pressure is 1500 bar.

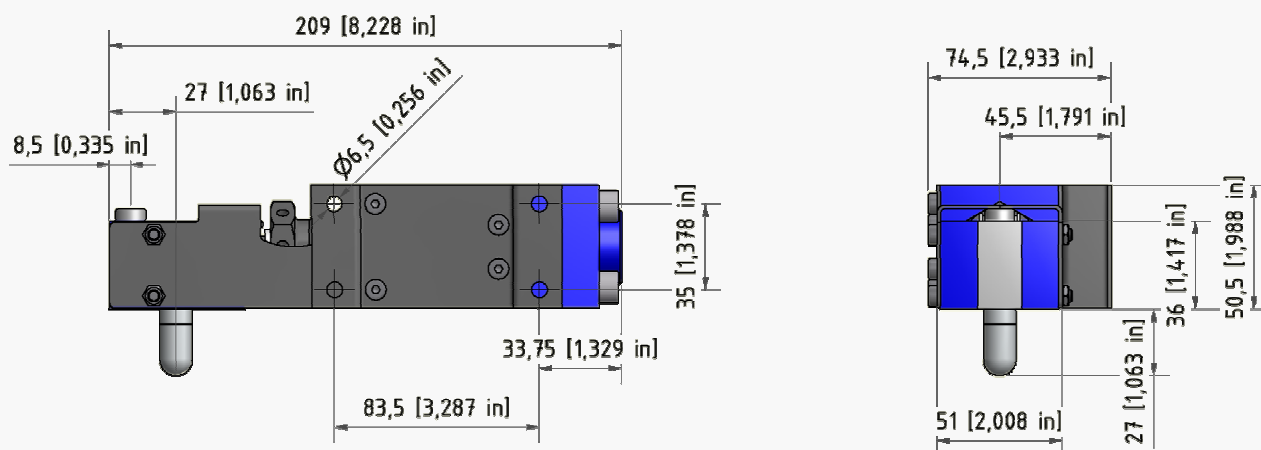
4M are special high pressure connections from the company MAXIMATOR. Further information on the production and processing of these high pressure connections and the corresponding screw connections can be found in the MAXIMATOR catalogue "Valves- Fitting-Tubing" and in the "Cone and thread-cutting tools operating instructions". These documents can be found on the homepage www.maximator.de or can be requested from Maximator.

Please consult factory for more information. All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.

Connections



Dimensions and Weight



Width	mm	209
Depth	mm	50,5*
Height	mm	74,5
Mass	Kg	1,4

* An additional approx. 27mm are added for the silencer.



Part Code Generator

APS...-...-...-...-...

Switch position:

NO → Normal open
NC → Normal closed

Special versions:

O2 → Oil and grease-free version
SS → Stainless steel high pressure part

Connection:

4B → 1/4" BSP connection with outer seal
4P → 1/4" NPT connection
4M → MAXIMATOR 1/4" Medium Pressure

Switch range:

10-30 → between 10bar and 30 bar
30-100 → between 30bar and 100 bar
100-300 → between 100bar and 300 bar
150-400 → between 150bar and 400 bar
300-1000 → between 300bar and 1000 bar

Type Overview

Connection	Switch position	Setting range in bar				
		10-30	30-100	100-300	150-400	300-1000
4B	NO	APS10-30-4B-NO	APS30-100-4B-NO	APS100-300-4B-NO	APS150-400-4B-NO	APS300-1000-4B-NO
	NC	APS10-30-4B-NC	APS30-100-4B-NC	APS100-300-4B-NC	APS150-400-4B-NC	APS300-1000-4B-NC
4P	NO	APS10-30-4P-NO	APS30-100-4P-NO	APS100-300-4P-NO	APS150-400-4P-NO	APS300-1000-4P-NO
	NC	APS10-30-4P-NC	APS30-100-4P-NC	APS100-300-4P-NC	APS150-400-4P-NC	APS300-1000-4P-NC
4M	NO	-	-	APS100-300-4M-NO	APS150-400-4M-NO	APS300-1000-4M-NO
	NC	-	-	APS100-300-4M-NC	APS150-400-4M-NC	APS300-1000-4M-NC

Release 12 / 2012 • MAXIMATOR • Pressure Switch with pneumatic signal • Page 3 of 3 • DB.01.12.01