

P3Y Filter / Regulator - Large

- Integral 3/4" or 1" ports (BSPP or NPT)
- High efficiency element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- Secondary pressure ranges 12 and 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Reverse flow / relieving option
- Low temperature -40°C (-40°F) with combined manual / semi-auto drain as standard



Port Size	Description (0 to 174 psi)	Part Number
3/4"	Relieving, COmbined Manual / Semi-Auto Drain	P3YEA16ESCBNEN
3/4"	Relieving, Auto Drain	P3YEA16ESABNEN
3/4"	Relieving, Gauge, COmbined Manual / Semi-Auto Drain	P3YEA16ESCBNFN
3/4"	Relieving, Gauge, Auto Drain	P3YEA16ESABNFN
1"	Relieving, COmbined Manual / Semi-Auto Drain	P3YEA18ESCBNEN
1"	Relieving, Auto Drain	P3YEA18ESABNEN
1"	Relieving, Gauge, COmbined Manual / Semi-Auto Drain	P3YEA18ESCBNFN
1"	Relieving, Gauge, Auto Drain	P3YEA18ESABNFN

Operating Information

Supply pressure (max)*:	254 psig (17.5 bar)
Operating temperature:	14°F to 140°F (-10°C to 60°C)
Auto drain	-40°F to 140°F (-40°C to 60°C)
Combined drain	-40°F to 140°F (-40°C to 60°C)
Standard filtration:	5 micron
Manual / semi-auto drain:	Closed at 11.6 psig (0.8 bar) G1/8 thread male
Auto drain bowl pressure:	Closed at 11.6 psig (0.8 bar)
Bowl capacity:	4.4 US oz. (130 cm ³)
Standard filtration:	5 micron
Flow capacity†:	3/4" 335 scfm (158.1 dm ³ /s, ANR) 1" 465 scfm (219.5 dm ³ /s, ANR)
Fluid:	Compressed air
Gauge port (x2):	1/4"
Weight:	3.3 lb (1.5 kg)

† Inlet pressure 91.4 psig (6.3 bar) inlet pressure and 7.3 psig (0.5 bar) pressure drop.

* Air supply must be dry enough to avoid ice formation at temperatures below 35.6°F (2°C).

Air quality: Within ISO 8573-1: 2010 Class 6 and 7 (Particulates)

Ordering Information:

Basic Series		Thread Type*		Port Size		Drain Type		Relief		Lockable		Adjustment Range	
Filter / Regulator	P3YEA	BSPP	1	3/4	6	SC	Combined Manual / Semi-Auto Drain	B	Relieving	N	Standard	E	0 to 174 psi (0 to 12 bar), No Gauge
		NPT	9	1	8	SA	Auto Drain	R	Reverse Flow / Relieving	A†	Lockable	H	0 to 232 psi (0 to 16 bar), No Gauge
												F	0 to 174 psi (0 to 12 bar), Gauge
												J	0 to 232 psi (0 to 16 bar), Gauge

Notes:

* For 1-1/2" ported unit, please order P3YKA*BCP port block kit separately.

† Not field convertible.

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