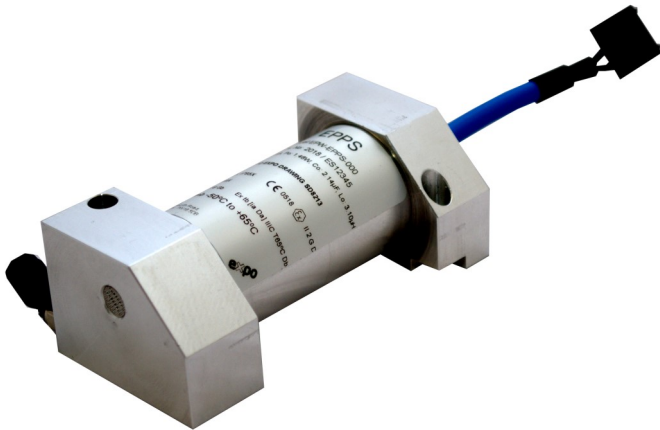


Electro-Pneumatic Power Supply (EPPS)

Direct replacement for Expo IS battery in e-timer circuits



Features

- Delivers Ex ia power from compressed air
- Compact and self-contained module
- Maintenance free, totally enclosed design
- Low air consumption with minimal impact on overall air usage.
- Suitable for use in ATEX/IECEx Zones 1 & 2, 21 & 22; USA/CAN Class I, Div. 1 & 2; USA/CAN Class I, Zone 1 & 2, Class II, Zone 21 & 22.
- Can be supplied in new mini-purge systems or as retrofit kit (installation by Expo accredited personnel only).

Overview

The EPPS is a revolution in the development of Intrinsically Safe (Ex ia) power supplies. Designed as a direct replacement for Expo's standard IS battery pack, the EPPS can power the electronic timer in most Expo mini-purge systems.

Driven by small amounts of compressed air, it generates power only when needed in the purge cycle, minimising impact on air consumption, reducing maintenance requirements and giving an exceptionally long service life.

Certification

DEMKO 17ATEX1795X II 2 G Ex db [ia Ga] IIC T6 Gb

Technical data

Max. power (Continuous @ 2.5 barg)	0.13 W
Max. power (Peak)	0.45 W
Output voltage	9.0 V
Voltage tolerance	± 3%
Typical start-up time	3.5 sec.
Air supply pressure range	2-4 barg (29-58psi)
Typical air consumption @ 2.5 barg	8.5 NLPM (0.3 SCFM)
Operating temperature range	-50°C to +65°C (-58°F to +149°F)
Air inlet connection	4mm (0.16")
Casing material	Aluminium
Dimensions	95 x 45 x 34mm (3.7x1.8x1.3")
Weight	200 g (7oz)