

Three-Stage Compact Scroll Pump Produces 5 mTorr Vacuum

Air Squared's new three-stage compact scroll vacuum pump (CSVP) is unique in its size class, producing up to 5 mTorr (6.5×10^{-6} atmosphere) vacuum without a turbo pump. With a package size of 19.2 x 15 x 14.5 cm (7.5 x 5.9 x 5.7 in), the oil-free CSVP can replace a turbo-boosted pump to save weight, space, cost and maintenance in applications ranging from spectrometers and gas detectors to analyzers, autoclaves and lab vacuum stations. It weighs 4.5 kg (10 lb), ideal for portable instruments, such as the Homeland Security Air Sample analyzer for which it was designed. The CSVP can also be turbo-boosted to produce even greater vacuum levels.

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