# APW

www.t2e.com.br | t2e@t2e.com.br

## ACOUSTIC – Acoustic PulseWave (APW)

The APW (Acoustic PulseWave) Supersonic Nozzle is a high-efficiency device engineered by T2E to maximize compressed-air pulse-jet cleaning in industrial baghouse filters. Its internal convergent-divergent geometry accelerates the compressed air jet to supersonic velocities, generating a high-energy acoustic pressure wave capable of dislodging dust cake with maximum efficiency.

Designed with a 100% sanitary concept — CNC-machined in stainless steel and welded directly onto the blowpipe with zero threads or crevices — the APW delivers uniform cleaning along the entire filter bag, reducing compressed air consumption and extending filter element service life.



### Features & Benefits:

- Convergent-divergent (supersonic) internal profile that amplifies the useful energy of the cleaning pulse;
- 100% AISI 304L or 316L stainless steel construction with sanitary finish;
- Fully welded mounting on the blowpipe (no internal or external threads), eliminating crevices and dead zones;
- Significant reduction in compressed air consumption and operating pressure required for bag regeneration;
- More uniform cleaning pulse along the full length of the filter bag;
- Lower residual pressure drop (ΔP) across the baghouse and greater process stability;
- **Reduces mechanical stress on the filter media, extending bag service life;**
- **Ideal for sanitary, food, dairy, sugar, pharmaceutical, and chemical lines;**
- **Exclusive technology integrated into T2E DBH series baghouse filters.**

> **Notice — Exclusive Supply:** The APW (Acoustic PulseWave) supersonic nozzle is an exclusive technological feature engineered to operate with T2E DBH series baghouse filters. This component is not sold separately and is sized and supplied exclusively as an integral part of DBH filters.

### Integrated Application:

| | |
|---|---|
| **Associated equipment:** | T2E Baghouse Filters — DBH Series (integrated supply) |
| **Material of construction:** | AISI 304L or 316L Stainless Steel (sanitary finish) |
| **Mounting:** | Welded directly to the blowpipe (100% thread-free) |
| **Industries served:** | Food, dairy, sugar, powder ingredients, pharmaceutical, and chemical |

Copyright © 2026 T2E. All rights reserved.