

TURBO PC

Online PC & PCNL Emitters

The most versatile and easy to install
Pressure Compensating emitter for a great variety of applications



Feature & Benefits



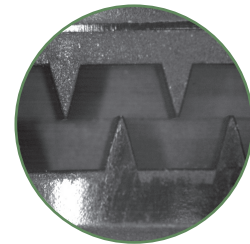
Factory Sealed, Pressure Compensating Emitter

Two models available,
PC (Black Base) - Pressure Compensating
PCNL (Grey Base)- Pressure Compensating Non Leakage



Wide Pressure Compensating Range

Uniform discharge for
pressure regulation range
0.5 - 4 kg/cm²



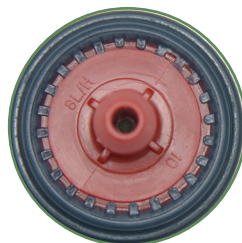
Clog Resistant

Turbulent flow in the
labyrinth makes is clog
resistant Dripper



Self Cleaning Mechanism

Dynamic movement of silicone
diaphragm retracts to push away
particles which are blocking the
emitter.



Ultrasonic Welding Technology

Emitter is prevented by a parallel
formation and welding of the cover,
around the edge of the body , making
it impossible to leak regardless of the
climatic or pressure conditions



Barbed Inlet with Narrow Inlet Filter

Precision inlet filters prevents
entrance of most of the impurities.



More Crop Per Drop®

TURBO PC

Drip Irrigation System is meant to save water, energy and fertilisers. However, there are multiple field variables which cause non-uniform distribution of inputs, ultimately resulting in variation in produce quality and yield. TURBO PC dripper is true value for your money. It improves distribution uniformity of your drip system and assures greater returns on your investments.

Features

- **No Environmental and Chemical Effects** : UV stabilised, does not have any environmental effects. Resistant to chemicals used in agriculture.
- **Excellent Cvm, (Manufacturer's Coefficient of Variation):** Manufacturing coefficient of variation, $CVM \leq 4\%$ ensures high field emission uniformity.
- **Color Coded Cap** : Color coded cap facilitates easy identification of emitter flow rate.

Applications

- For orchards, vineyards, greenhouses, nurseries and landscape.
- For pulse irrigation and irrigation in soilless conditions
- Prevents surplus drainage in low places (PCNL model)
- For areas with harsh topographical conditions.
- Subsurface installation protects dripper from animal damage

Specifications

Discharge (lph)	Flow coefficient (k)	Emitter exponent (x)	Coefficient of Variation CV (%)	Water Passage Width x Depth x Length (mm)	Filtration Area (mm ²)	Range of pressure regulation, kg/cm ²	Recommended Filtration (mesh / micron)
2.0	2.0	0.0	2.0	1.00 x 1.00 x 55.0	3.8	0.5 - 4.0	120 / 130
4.0	4.0	0.0	2.0	1.30 x 1.10 x 50.6	3.8	0.5 - 4.0	120 / 130
8.0	8.0	0.0	2.2	1.50 x 1.15 x 46.5	3.8	0.5 - 4.0	120 / 130
24	23.5	0.0	2.3	1.35 x 1.20 x 35.0	3.8	0.5 - 4.0	120 / 130

Flow equation $q = kH^x$, q = Discharge, lph, H = Pressure head, kg/cm², k = Flow coefficient, x = Emitter exponent.

Note: Color of housing: Black - For PC option, Grey - For PCNL option

For TURBO PCNL model

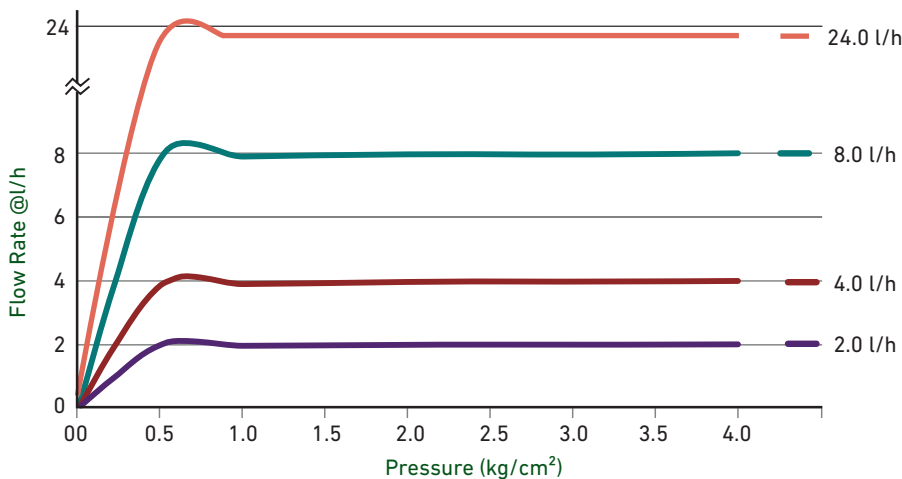
- Opening Pressure - 0.3 kg/cm²
- Closing Pressure - 0.2 kg/cm²

Recommended punch size - 2.5 mm (Code- ITC)

For barbed outlet 3x5 mm tube is suitable.



TURBO PC Flow Chart



Ordering Specifications

TURBO PC	
PC Model	PCNL Model
AQBTDRIPPC2	AQBTDRIPN2
AQBTDRIPPC4	AQBTDRIPN4
AQBTDRIPPC8	AQBTDRIPN8
AQBTDRIPPC24	AQBTDRIPN24

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