

 TORO

NGE™ DRIP EMITTERS



Engineered for use in greenhouses, nurseries and landscape applications, NGE pressure compensating emitters apply water and nutrients directly to individual plants. The self-flushing diaphragm prevents debris build up to provide precision distribution of water and nutrients, promote even crop growth and maximise irrigation efficiency. NGE AL anti-leak emitters provide uniform flow over long runs, reduce drainage caused by varying elevations and prevent the risk of debris “suck-back” on system shutdown.

FEATURES & BENEFITS

Pressure Compensating

Highly accurate and uniform distribution of water and nutrients over long run lengths and varying elevations.

Self-flushing

The semi-circle inlet filter and wide turbulent flow path provide superior clog resistance by preventing large debris from entering the emitter. Smaller particles exit the emitter during the self-flushing cycle and on shutdown to prevent debris build-up.

Anti-Leak (Optional)

Particularly suited to pulse irrigation, water is retained in the poly tube on system shutdown. This inhibits back siphoning, reducing the risk of debris entering the emitter. Irrigation commences immediately when the line is re-pressurised, resulting in lower energy costs and more efficient use of water and nutrients.

Durability

Manufactured with UV and acid resistant high-grade materials providing superior protection against chemical degradation for long field life.

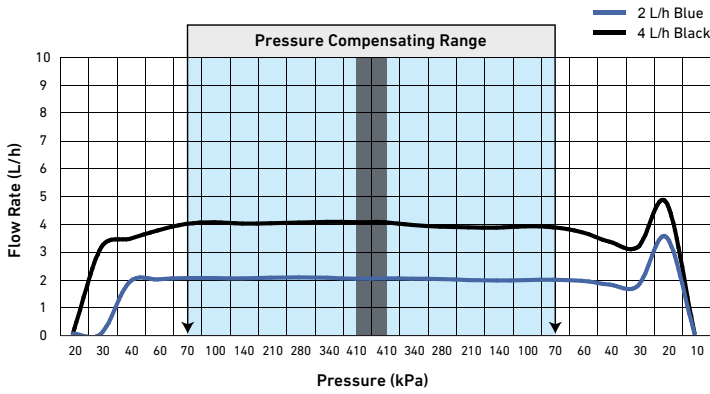


NGE Features

- ✓ Colour coded for easy identification
- ✓ Available in 3 outlet types
 - 3 mm barb outlet suits 3 mm ID micro tube
 - 4 mm barb outlet suits 4 mm ID micro tube
 - Male adaptor outlet connects to Spider assemblies
- ✓ Pre-assembled with tube and stake as a single dripper assembly
- ✓ Low CV for uniform discharge over wide pressure range

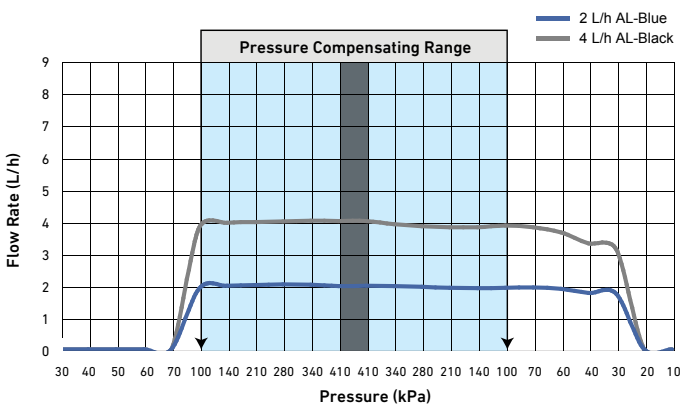
NGE™ PC PERFORMANCE

Emitter Discharge Rate vs. Pressure



NGE™ PC ANTI-LEAK PERFORMANCE

Emitter Discharge Rate vs. Pressure



Barbed Outlet



Male Adaptor Outlet

OPERATING SPECIFICATIONS

NGE PC	DPCT02	DPCT04
Nominal Flow Rate (L/h)	2	4
Recommended Pressure Range (kPa)	60-410	
Emitter Exponent (x)	0.0	
Coefficient of Variation (Cv)	≤3%	
Minimum Filtration Requirement	120 Mesh (125 Micron)	
Colour	Blue	Black

OPERATING SPECIFICATIONS

NGE PC ANTI-LEAK	DPCT02	DPCT04
Nominal Flow Rate (L/h)	2	4
Recommended Pressure Range (kPa)	90-410	
Closing Pressure (kPa)	24	
Emitter Exponent (x)	0.0	
Coefficient of Variation (Cv)	≤3%	
Minimum Filtration Requirement	140 Mesh (105 Micron)	
Colour	Light Blue	Grey

ORDERING INFORMATION

NGE DRIP EMITTERS - PRESSURE COMPENSATING (PC)

Model	Description
DPCT02-3-BLUE	2 L/h PC Emitter - 3 mm Barb Outlet
DPCT02-4-BLUE	2 L/h PC Emitter - 4 mm Barb Outlet
DPCT02-MA-BLUE	2 L/h PC Emitter - Male Adaptor Outlet
DPCT04-3-BLK	4 L/h PC Emitter - 3 mm Barb Outlet
DPCT04-4-BLK	4 L/h PC Emitter - 4 mm Barb Outlet
DPCT04-MA-BLK	4 L/h PC Emitter - Male Adaptor Outlet

NGE DRIP EMITTERS - PRESSURE COMPENSATING (PC) AND ANTI-LEAK (AL)

Model	Description
DPCT02-3-AL-BLUE	2 L/h PC AL Emitter - 3 mm Barb Outlet
DPCT02-4-AL-BLUE	2 L/h PC AL Emitter - 4 mm Barb Outlet
DPCT02-MA-AL-BLUE	2 L/h PC AL Emitter - Male Adaptor Outlet
DPCT04-3-AL-BLK	4 L/h PC AL Emitter - 3 mm Barb Outlet
DPCT04-4-AL-BLK	4 L/h PC AL Emitter - 4 mm Barb Outlet
DPCT04-MA-AL-BLK	4 L/h PC AL Emitter - Male Adaptor Outlet