



Ag

NGE[®] AL

Anti-Drain Pressure Compensating Emitter



FEATURES & BENEFITS

- Engineered with acid resistant high-grade material to ensure superior weathering characteristics and protection against chemical degradation.
- The unique emitter design and pressure compensating diaphragm allows:
 - The emitter remains closed until an opening pressure of 15 psi (1 Bar) is achieved. As a result, start-up time is kept to a minimum, and uniformity is maximized.
 - Self-flushing during operation to facilitate cleaning.
 - The emitter shuts off at 3 to 5 psi (0.24 to 0.34 Bar) depending on the emitter flow rate. This prevents complete drainage of system pipes and facilitates efficient system pulsing. Quicker system start-up also reduces chemical and fertilizer waste.
 - The emitter closes upon system shut down, thus inhibiting back siphoning and reducing the risk of emitter clogging.
- The semi-circle inlet filters and large turbulent flow path design resists clogging by preventing large debris from entering the emitter, and by allowing smaller particles to exit the flowpath during the self-flushing cycle.
- The exceptional emitter design allows uniform flow rates from 15 to 60 psi (1 to 4.1 Bar). This wide range allows use in demanding applications, even in nurseries and greenhouses where exceptional precision is required. The pressure compensating feature, along with a manufacturing Cv of 3% or less, makes the NGE one of the highest performing emitters available.

APPLICATION

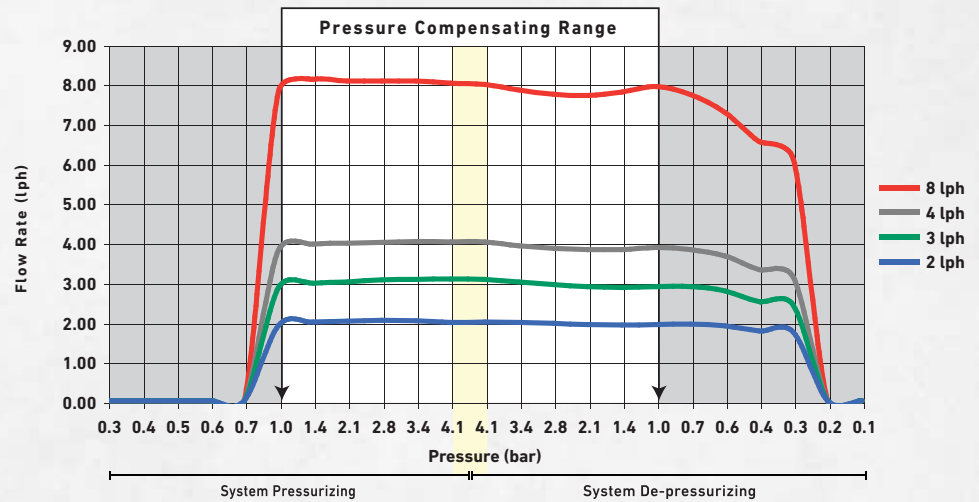
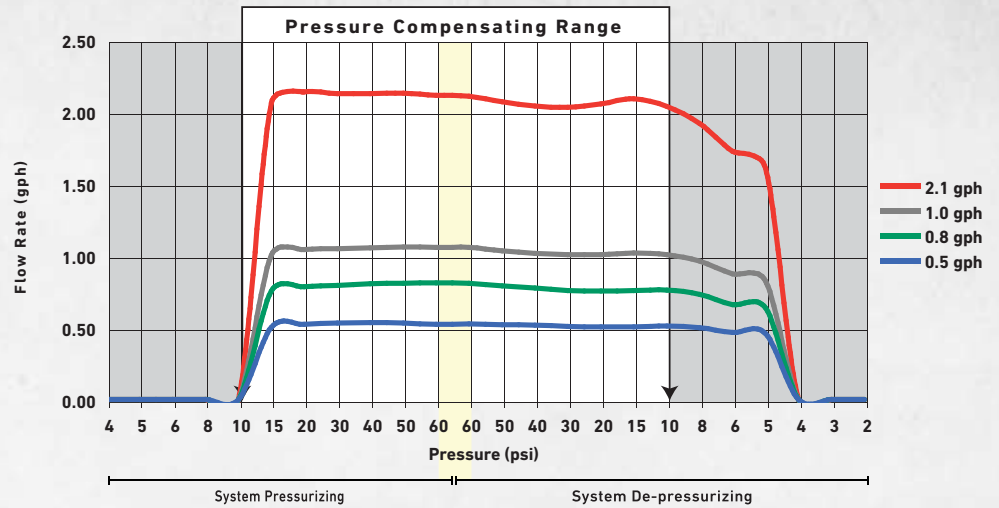
The NGE AL pressure compensating emitter is ideal for greenhouse and nursery applications, or any situation that requires precise irrigation of containers or individual plants. Water is applied uniformly from each emitter outlet, and the unique anti-drain feature eliminates drainage caused by differences in elevation.

COLOR-CODED FOR EASY IDENTIFICATION



NGE® AL

Left of the yellow bar shows the performance of the dripper as the pressure increases from 3 to 60 psi. Right of the yellow bar shows the flow of the emitter as the pressure decreases from 60 psi back down to zero.



AVAILABLE IN FOUR FLOW RATES:

FLOW RATE	MALE ADAPTER OUTLET	3mm BARBED OUTLET
0.5 gph (2 lph)	DPCT02-MA-AL-BLUE	DPCT02-3-AL-BLUE
0.8 gph (3 lph)	DPCT03-MA-AL-GRN	DPCT03-3-AL-GRN
1.0 gph (4 lph)	DPCT04-MA-AL-BLK	DPCT04-3-AL-BLK
2.1 gph (8 lph)	DPCT08-MA-AL-RED	DPCT08-3-AL-RED

SPECIFICATIONS

Model Number	DPCT02	DPCT03	DPCT04	DPCT08
Color	Light Blue	Light Green	Gray	Light Red
Nominal Flow Rates				
gph	0.5	0.8	1.0	2.1
lph	2.0	3.0	4.0	8.0
Recommended Pressure Range				
psi	15 to 60 psi			
bar	1.0 to 4.1 bar			
Closing Pressure				
psi	3.5 to 4 psi			
bar	0.24 to 0.28 bar			
Emitter Specs				
Emitter Exponent (x)	0.000			
Coefficient of variation (Cv)	≤ 3%			
Minimum Filtration Requirement				
Mesh	140			
Micron	105			



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Count on it.