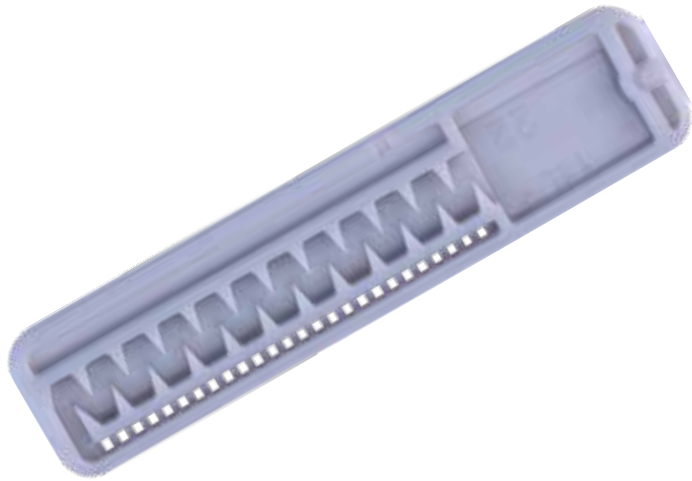


THIN & MEDIUM WALLED NON-PC FLAT DRIPLINE

# Turbo Excel



**Innovative Thin/ Medium wall dripline introducing superior labyrinth design ensuring exceptional accuracy, clogging resistance and reliability**

Innovative cascade labyrinth



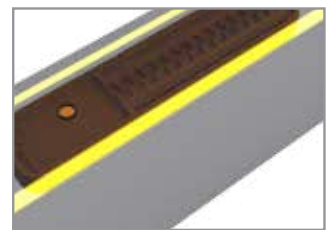
Three dimensional inlet filter



Prevention of sand suction



Laser drilled outlet hole



## APPLICATIONS

- Ideal for sugarcane and biofuel crops, vegetables, flowers and other row crops requiring low discharge and close dripper spacing
- Germination and seedling establishment
- SDI (sub-surface drip irrigation) and surface installation

## STRUCTURE AND FEATURES

- Available flow rates: 0.7, 1.1, 1.5, 2.0, 4.0 l/h
- Incorporates the Cascade labyrinth and sets new standards of clog resistance:
  - Double flow regime for highly effective self-cleaning
  - 3D water inlet triples handling of dirt load
  - Grooved surface design ensures reliable performance, even when inlet surface area is covered with clogging materials
- Spacial design to minimize root intrusion and sand suction
- Precision laser drilled outlet gives uniform and clear opening
- Closer dripper spacing (from 15 cm) for successful germination and improved irrigation management
- Very low CV ensures accurate performance
- Advanced quality-control technology for reliable performance
- Longer lateral length and higher accuracy with excellent dripper exponent
- Filtration Recommendation:
  - 1.1, 1.5, 2.0 & 4.0 l/h 130 micron (120 mesh)
  - 0.7 l/h 100 micron (150 mesh)

4.0 l/h



2.0 l/h



1.5 l/h



1.1 l/h



0.7 l/h



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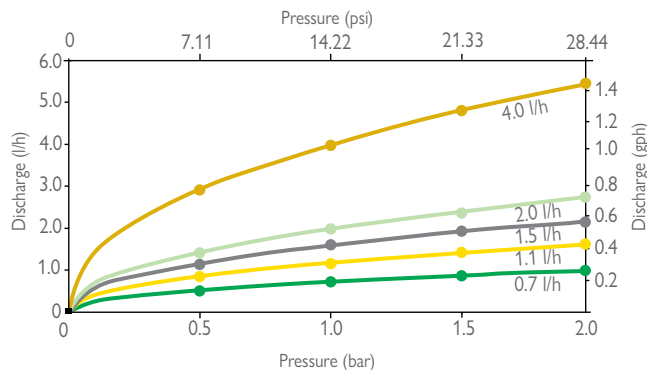
# Turbo Excel

## TECHNICAL DATA

Nominal diameter	Wall thickness		OD	ID	Max. pressure	KD	Connectors type		Packaging and shipping				
	(mm)	(mil)					Barb	Tape	Standard coil length (m)	Coils per pallet	Coils per 20 ft. container	Coils per 40 ft. container	Coils per 40 ft. HC container
12	0.33	13	12.46	11.80	1.5	0.22	•	•	2500	16	320	640	720
12	0.38	15	12.56	11.80	2.0	0.22	•	•	2000	16	320	640	720
12	0.45	18	12.70	11.80	2.2	0.22	•	•	1500	16	320	640	720
12	0.65	25	13.06	11.80	3.0	0.22	•	•	800	16	320	640	720
16	0.90	35	15.70	13.9	3.0	0.11	•	•	400	16	320	640	720
17	0.15	6	16.30	16.0	0.7	0.1	•	•	3500	16	320	640	720
17	0.20	8	16.40	16.0	0.9	0.1	•	•	3000	16	320	640	720
17	0.25	10	16.30	15.8	1.0	0.1	•	•	2000	16	320	640	720
17	0.33	13	16.46	15.8	1.4	0.1	•	•	2000	16	320	640	720
17	0.38	15	16.56	15.8	1.8	0.1	•	•	1500	16	320	640	720
17	0.45	18	16.70	15.8	2.0	0.1	•	•	1250	16	320	640	720
17	0.65	25	16.86	15.6	2.5	0.1	•	•	900	16	320	640	720
17	0.90	35	16.2	15.4	3.0	0.105	•	•	400	16	320	640	720
20	0.90	35	19.6	17.7	3.0	0.1	•	•	400	16	320	640	720
22	0.20	8	22.60	22.2	0.7	0.095	•	•	2000	16	320	640	720
22	0.25	10	22.70	22.2	0.8	0.095	•	•	1500	16	320	640	720
22	0.33	13	22.86	22.2	1.2	0.095	•	•	1250	16	320	640	720
22	0.38	15	22.96	22.2	1.4	0.095	•	•	1000	16	320	640	720
22	0.45	18	23.10	22.2	1.7	0.095	•	•	900	16	320	640	720
22	0.65	25	23.46	22.2	2.0	0.095	•	•	700	16	320	640	720

for any other diameter and wall thickness combinations please contact us

## FLOW RATE VS. PRESSURE GRAPH



## FLOW RATE VS. PRESSURE RATE

Pressure (bar)	Nominal Flow Rate (lph)									
	0.7 l/h		1.1 l/h		1.5 lph		2.0 lph		4.0 lph	
	6 - 15 mil	18 - 25 mil	6 - 15 mil	18 - 25 mil	6 - 15 mil	18 - 25 mil	6 - 15 mil	18 - 25 mil	6 - 15 mil	18 - 25 mil
0.50	0.52	0.51	0.8	0.8	1.1	1.0	1.5	1.4	2.9	2.7
0.70	0.61	0.59	1.0	0.9	1.2	1.2	1.7	1.6	3.4	3.2
1.00	0.72	0.70	1.1	1.1	1.5	1.4	2.0	1.9	4.0	3.8
1.20	0.78	0.76	1.2	1.2	1.6	1.5	2.2	2.1	4.4	4.1
1.50	0.87	0.85	1.4	1.3	1.8	1.7	2.4	2.3	4.8	4.5
2.00		0.97		1.4		1.9		2.7		5.2
2.50		1.08		1.6		2.1		3.0		5.7
3.00		1.18		1.7		2.3		3.2		6.3
k	0.72	0.70	1.14	1.06	1.46	1.39	2.02	1.90	4.02	3.76
x	0.47	0.48	0.46	0.46	0.47	0.47	0.47	0.48	0.45	0.47

k - Emitter flow constant; x - Emitter exponent

