



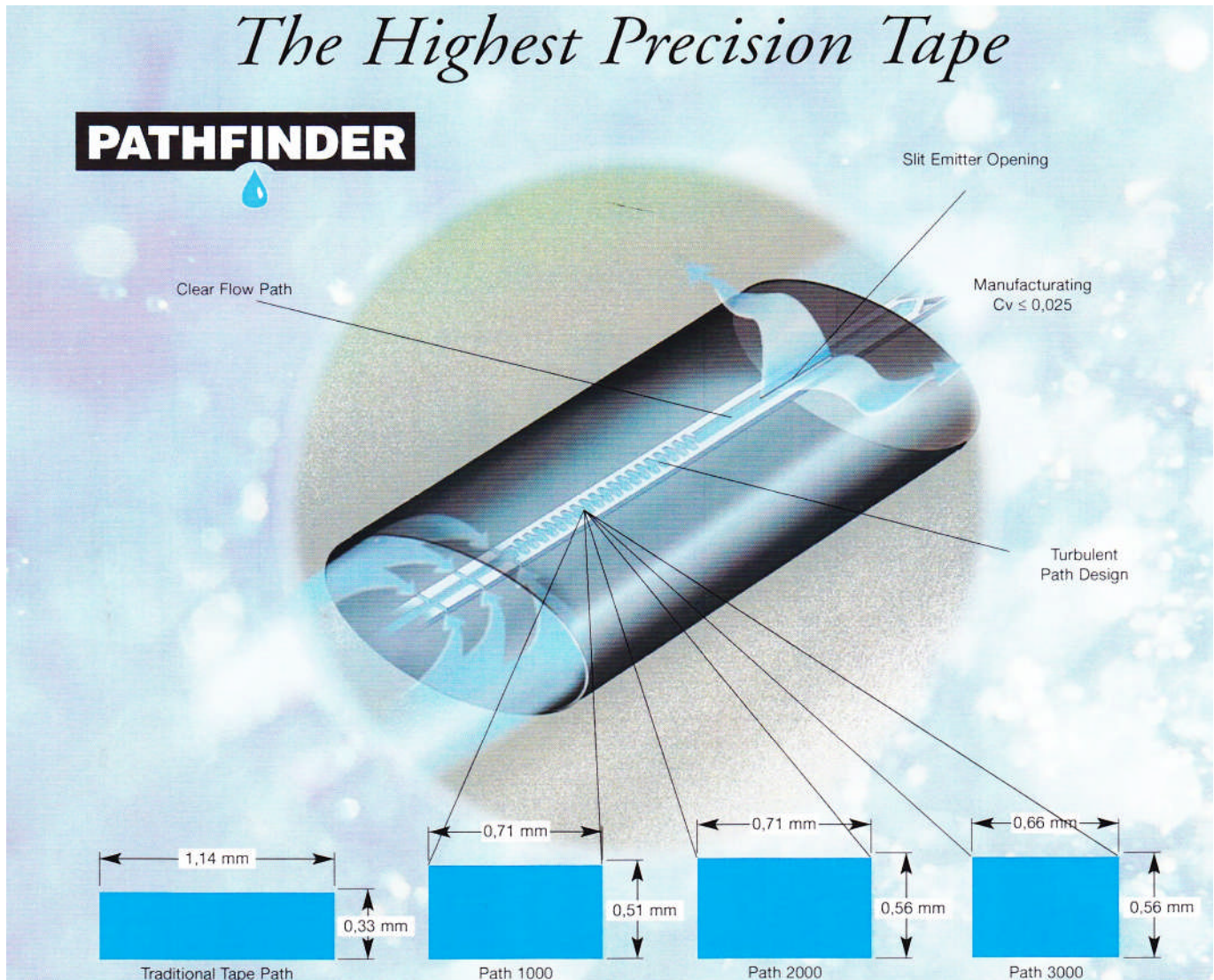
Wright Rain

Advanced Water Efficient Technology

Macpenny

Pathfinder Drip Tape

The Highest Precision Tape



- Pathfinder Tape is an extruded drip tape manufactured with the highest technology.
- Patented clear flow path enables periodic monitoring of Path.
- The manufacturing process results in the largest "low flow" path in the drip industry and is more plug resistant than competitive tape emitters.
- Pathfinder can be installed on the surface, hung on a wire, or buried.
- Pathfinder is available in different wall thickness, flows and spacing.
- Pathfinder is manufactured with materials of high quality that provides resistance to agricultural chemicals and abrasions during handling.

Brooksbank House, Pound Lane, Copythorne, Southampton, Hants, SO40 2PD

Tel: +44 (0) 2380 817800 Fax: +44 (0) 2380 817806 Email: sales@wrightrain.co.uk Web: www.wrightrain.co.uk



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DESIGN CHARACTERISTICS

- Pathfinder Tape is a highly efficient and very profitable irrigation system to be applied on short term vegetable crops and on permanent multi-crop applications.
- Before installation the irrigation water quality must be tested.
- The pumping system control valves must maintain desired pressure.
- In buried installations, it is very important to have air/vacuum relief valves to eliminate system vacuums and the entrance of any particles when the irrigation is finished.
- The laterals and zone pipes must be thoroughly flushed after installation and periodically during the irrigation season.

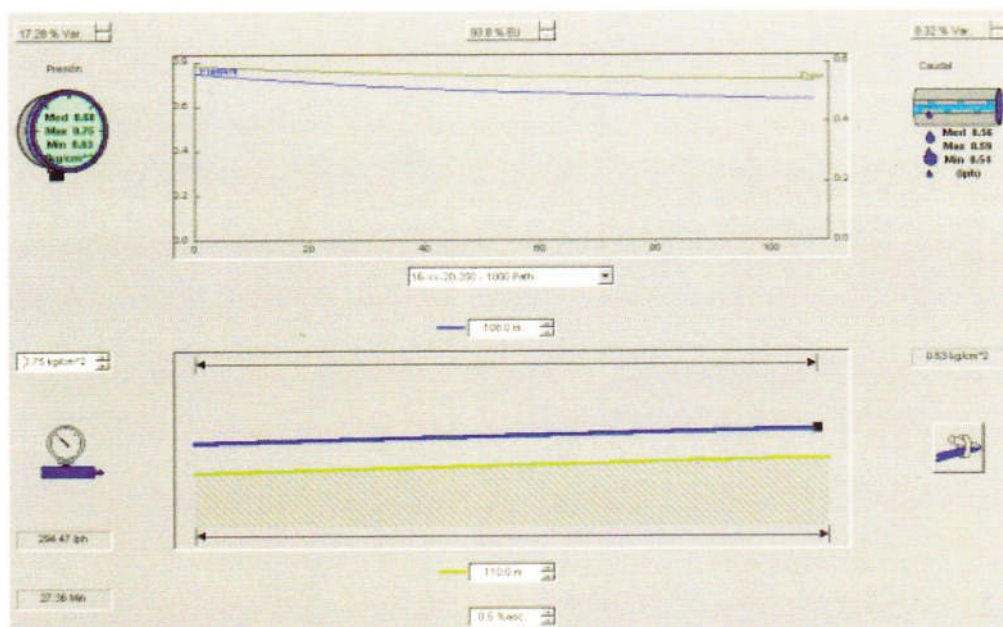
WORKING PRSSURE RANGE

The recommended values of working pressure are as follows:

Minimum Pressure (bar)	Maximum Pressure (bar)
0,4	1,0

PATHFINDER DESIGN SOFTWARE

The pathfinder design software provides specifications for installation design; it is easy to use with an excellent presentation and a complete graphical format.





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PRODUCT SPECIFICATIONS / Diámetro 16 mm (5/8")

REFERENCE CODE	DENOMINATION	Wall thickness (mil.)	Distance emitters (cm)	Flow (a) (l/h.100m)	Flow (b) (l/h.emitter)	Path	Length Roll (m)	SR: Serie BP: Under order	Máximo length lateral (m)*
1109442	CINTA PATHFINDER 16-05-15-165-500 R4000	5	15	165	0,36	500	4000	BP	295
1109443	CINTA PATHFINDER 16-05-20-250-1000 R4000	5	20	250	0,57	1000	4000	BP	210
1109444	CINTA PATHFINDER 16-05-20-365-2000 R4000	5	20	365	0,82	2000	4000	BP	160
1109445	CINTA PATHFINDER 16-05-20-255-3000 R4000	5	20	255	1,13	3000	4000	BP	210
1109446	CINTA PATHFINDER 16-05-30-340-3000 R4000	5	30	340	1,13	3000	4000	BP	175
1109452	CINTA PATHFINDER 16-06-30-340-3000 R3200	6	30	340	1,13	3000	3200	SR	175
1109447	CINTA PATHFINDER 16-05-20-510-3000 R4000	5	20	510	1,13	3000	4000	BP	135
1109448	CINTA PATHFINDER 16-05-10-1020-3000 R4000	5	10	1020	1,13	3000	4000	BP	85
1109449	CINTA PATHFINDER 16-06-15-165-500 R3200	6	15	165	0,36	500	3200	BP	295
1109450	CINTA PATHFINDER 16-06-20-250-1000 R3200	6	20	250	0,57	1000	3200	SR	210
1114001	CINTA PATHFINDER 16-06-20-365-2000 R3200	6	20	365	0,82	2000	3200	SR	160
1109451	CINTA PATHFINDER 16-06-20-255-3000 R3200	6	20	255	1,13	3000	3200	BP	210
1109452	CINTA PATHFINDER 16-06-30-340-3000 R3200	6	30	340	1,13	3000	3200	SR	175
1109453	CINTA PATHFINDER 16-06-20-510-3000 R3200	6	20	510	1,13	3000	3200	SR	135
1112214	CINTA PATHFINDER 16-06-10-1020-3000 R3200	6	10	1020	1,13	3000	3200	SR	85
1115712	CINTA PATHFINDER 16-08-15-165-500 R2500	8	15	165	0,36	500	2500	BP	295
1115713	CINTA PATHFINDER 16-08-20-250-1000 R2500	8	20	250	0,57	1000	2500	SR	210
1115714	CINTA PATHFINDER 16-08-20-365-2000 R2500	8	20	365	0,82	2000	2500	SR	160
1115613	CINTA PATHFINDER 16-08-40-255-3000 R2500	8	40	255	1,13	3000	2500	SR	210
1110573	CINTA PATHFINDER 16-08-30-340-3000 R2500	8	30	340	1,13	3000	2500	SR	175
1110561	CINTA PATHFINDER 16-08-20-510-3000 R2500	8	20	510	1,13	3000	2500	SR	135
1112215	CINTA PATHFINDER 16-08-10-1020-3000 R2500	8	10	1020	1,13	3000	2500	SR	85

* Maximum length of lateral line for slopes of 0%, Intake pressure of 8 MCA (0,8 KG/CM2) and uniformity of 90%

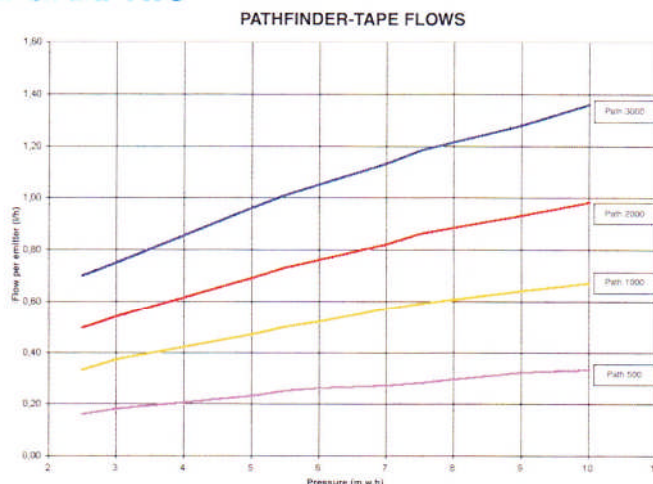
DENOMINATION: Diameter - Wall thickness (mil.) - Spacing (cm) - Flow (l/h. 100 m) - Path - Reel length (m)
 Example: 16 - 06 - 20 - 510 - 3000 - R3200

WALL THICKNESS: 1 mil. = 1 mil. inch = 0,025 mm / 6 mil. = 0,15 mm / 8 mil. = 0,20 mm

FLOW: (a) l/h. 100 m = litres per hour per 100 metres of tape @ 0.55 bar
 (b) l/h. emitter = litres per hour per emitter @ 0.68 bar.

Ask for other wall thickness, spacing and flow

FLOW-PRESSURE GRAPHIC



1 kg/cm² = 0,980 bar = 10 mwh = 0,967 ATM = 98,069 kPa = 14,223 psi
 1 l/s = 3,6 m³/h = 15,85 US gpm = 13,20 Imp gpm



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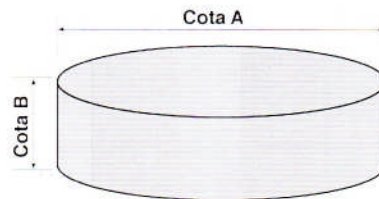
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PACKING

DENOMINATION	PACKING REEL CHARACTERISTICS						Container 40'	
	Thickness (mil./inch-mm)	Length (m)	Dimension (cm)		Weight (kg)	Reels per Pallets (n°)	pallets (n°)	reels (n°)
16-06-dd-ccc-500R3500	6-0,15	3.500	56	29	36	28	20	560
16-06-dd-ccc-1000R3500	6-0,15	3.500	56	29	36	28	20	560
16-06-dd-ccc-2000R3200	6-0,15	3.200	56	29	33	28	20	560
16-06-dd-ccc-3000R3200	6-0,15	3.200	56	29	33	28	20	560
16-08-dd-ccc-3000R2500	8-0,20	2.500	56	29	35	28	20	560

dd: Packing for all the spacing with the same denomination.

ccc: Packing for all the flows with the same denomination.



USE REQUIREMENTS

- Store Pathfinder reels in a covered place, protected from moistures and sunlight.
- Be careful with the tension on the drip tape during installation.
- The emitter should be installed with the outlet facing up.
- Care must be taken during connecting to zone pipe to avoid kinking the tape.
- Using pathfinder software, check the Pathfinder uniformity consider the lateral length and slope.
- The system must be flushed during and at the end of the irrigation season to reduce the possibility of plugging.
- Depending on water quality, chemical treatments may be required to prevent plugging.

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