TECHLINE® HCVXR-RW

For Reclaimed Water Use

17mm DRIPLINE

APPLICATIONS

- Reclaimed (recycled) water use
- For irrigation with non-potable/ reclaimed water and soil loading

SPECIFICATIONS

- Emitter flows: 0.33, 0.53, 0.77, 1.16 GPH
- Emitter spacings: 12" and 18"
- Pressure compensation range: 21.8 to 58 psi
- High check valve: holds back 8.5' of water
- Bending radius: 7"
- Maximum recommended system pressure: 58 psi
- Minimum pressure required: 21.8 psi
- Tubing diameter: 0.66" OD; 0.56" ID, 0.050" wall
- Coil lengths: 250' and 1,000'
- Recommended minimum filtration: 120 mesh
- Diaphragm: molded silicon
- ISO 9261 Standard Compliance

FEATURES & BENEFITS

LONG LASTING PROTECTION THROUGHOUT THE LIFE OF THE DRIPLINE

Cupron® copper oxide will not wash off, wear off and does not leach out of the emitter providing superior root intrusion resistance.

PATENTED EMITTER DESIGN WITH PHYSICAL ROOT BARRIER

Offset flow path, extra large bath area and raised outlet prevent root intrusion.

HIGH CHECK VALVE IN EACH EMITTER

The high check valve is great on slopes because it holds back 8.5' of water (elevation change) keeping the dripline charged for even distribution of water with no low emitter drainage.

EMITTER WITH ANTI-SIPHON FEATURE

Emitter outlet is sealed at system shutdown blocking debris from entering the dripline after irrigation.

PRESSURE COMPENSATING WITH CONTINUOUS SELF-FLUSHING

Delivers precise, equal amounts of water over wide pressure range while continuously flushing debris throughout operation.

NEW COLOR FOR EASY IDENTIFICATION

A new color provides easy identification as Techline HCVXR-RW.

FOUR NEW EMITTER FLOW RATES

Achieve maximum design flexibility with four new emitter flow rates - the most options offered in the industry.

TECHLINE HCVXR-RW IS DESIGNED FOR RECLAIMED WATER USE ONLY

Reclaimed, reuse or recycled water is municipally-treated, non-potable water deemed appropriate for use in irrigation systems and not wastewater being dispersed into the soil for additional treatment. Please consult your local Water Management District for regulations regarding the type of water being used, and its proper system design. Netafim USA can provide assistance on drip dispersal that uses primary or secondary and tertiary wastewater. Please contact Netafim USA Customer Service for more information.

Purple striped dripline

TECHLINE **LASER ETCHING** FOR EASY IDENTIFICATION

TECHLINE HCVXR-RW MADE WITH POST CONSUMER RECYCLED MATERIAL

QUALIFIES FOR USE ON **LEED PROJECTS**

TECHLINE® HCVXR-RW

GENERAL GUIDELINES

	TURF												SHRUB & GROUNDCOVER											
	CLAY SOIL			LOAM SOIL			SANDY SOIL			COARSE SOIL			CLAY SOIL			LOAM SOIL			SANDY SOIL			COARSE SOIL		
EMITTER FLOW	0.33 GPH			0.53 GPH			0.77 GPH			1.16 GPH			0.33 GPH			0.53 GPH			0.77 GPH			1.16 GPH		
EMITTER SPACING	18"			12"			12"			12"			18"			18"			12"			12"		
LATERAL (ROW) SPACING	18"	20"	22"	12"	18"	20"	12"	14"	16"	12"	14"	16"	18"	21"	24"	18"	21"	24"	16"	18"	20"	16"	18"	20"
BURIAL DEPTH	Bury evenly throughout the zone from 4"to 6"												On-surface or bury evenly throughout the zone to a maximum of 6"											
APPLICATION RATE (INCHES/HOUR)	0.24	0.21	0.19	0.85	0.56	0.51	1.23	1.05	0.92	1.86	1.60	1.40	0.24	0.20	0.18	0.38	0.32	0.28	0.92	0.82	0.74	1.40	1.24	1.12
TIME TO APPLY ¼" OF WATER (MINUTES)	64	71	78	18	27	30	12	14	16	8	9	11	64	74	85	40	46	53	16	18	20	11	12	13

Following these maximum spacing guidelines, emitter flow selection can be increased if desired by the designer.
1.16 GPH flow rate available for areas requiring higher infiltration rates, such as coarse sandy soils.

SPECIFYING MODEL NUMBER

Reference for Ordering Information Chart

SAMPLE MODEL NUMBER

TLHCVXR-RW3-1210
(A) (B) (C) (D)

A Techline HCVXR-RW Dripline = **TLHCVXR-RW**

B EMITTER FLOW RATE
0.33 GPH = **3**
0.53 GPH = **5**
0.77 GPH = **7**
1.16 GPH = **11**

C EMITTER SPACING
12" = **12**
18" = **18**

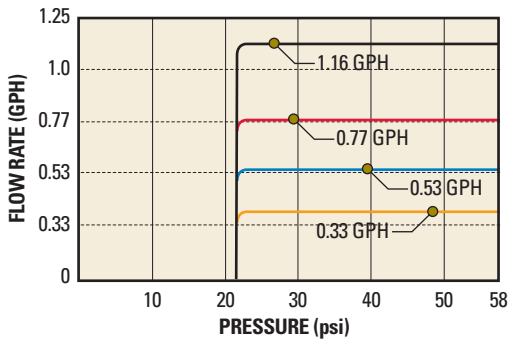
D COIL LENGTH
250' = **025**
1,000' = **10**

BLANK TUBING MODEL NUMBERS:
250' = TLHCVXR-RW0025 1,000' = TLHCVXR-RW010

FLOW PER 100 FEET

EMITTER SPACING	0.33 EMITTER		0.53 EMITTER		0.77 EMITTER		1.16 EMITTER	
	GPH	GPM	GPH	GPM	GPH	GPM	GPH	GPM
12"	33.0	0.55	53.0	0.88	77.0	1.28	116.0	1.93
18"	22.0	0.37	35.3	0.59	51.3	0.86	77.3	1.29

FLOW RATE VS. PRESSURE



Techline HCVXR-RW emitters open at 21.8 psi and close at 3.64 psi.

ORDERING INFORMATION

FLOW RATE	EMITTER SPACING	COIL LENGTH	MODEL NUMBER
0.33 GPH	12"	250'	TLCHVXR-RW3-12025
	12"	1,000'	TLHCVXR-RW3-1210
	18"	250'	TLHCVXR-RW3-18025
	18"	1,000'	TLHCVXR-RW3-1810
0.53 GPH	12"	250'	TLHCVXR-RW5-12025
	12"	1,000'	TLHCVXR-RW5-1210
	18"	250'	TLHCVXR-RW5-18025
	18"	1,000'	THLCVXR-RW5-1810
0.77 GPH	12"	250'	TLHCVXR-RW7-12025
	12"	1,000'	TLHCVXR-RW7-1210
	18"	250'	TLHCVXR-RW7-18025
	18"	1,000'	TLHCVXR-RW7-1810
1.16 GPH	12"	250'	TLHCVXR-RW11-12025
	12"	1,000'	TLHCVXR-RW11-1210
	18"	250'	TLHCVXR-RW11-18025
	18"	1,000'	TLHCVXR-RW11-1810
BLANK TUBING		250'	TLHCVXR-RW0025
		1,000'	TLHCVXR-RW010

MAXIMUM LENGTH OF A SINGLE LATERAL (FEET)

EMITTER SPACING		12"				18"			
EMITTER FLOW (GPH)		0.33	0.53	0.77	1.16	0.33	0.53	0.77	1.16
INLET PRESSURE	25 psi	237	173	136	103	335	246	192	146
	30 psi	327	240	187	142	464	341	266	203
	35 psi	385	282	221	168	546	401	314	239
	40 psi	429	315	247	187	611	449	351	267
	45 psi	467	342	268	203	663	488	381	290
	50 psi	499	366	287	218	710	521	408	311
	55 psi	528	387	303	230	752	552	432	329
	60 psi	554	406	318	241	788	579	453	345

NETAFIM™

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