

# TECHLINE<sup>®</sup> HCVXR-RW & RWP

## 17mm DRIPLINE

For Reclaimed Water Use

### 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
- HCVXR-RW coil lengths: 500' and 1,000'
- HCVXR-RWP coil length: 500'
- Recommended minimum filtration: 120 mesh
- Diaphragm: molded silicon
- ISO 9261 Standard Compliance

### FEATURES & BENEFITS

#### LONG LASTING PROTECTION THROUGHOUT THE LIFE OF THE DRIPLINE

Cupron<sup>®</sup> 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.

#### FOUR NEW EMITTER FLOW RATES

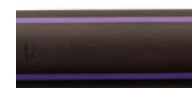
Achieve maximum design flexibility with four new emitter flow rates - the most options offered in the industry.

#### TECHLINE HCVXR-RW AND RWP ARE 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.



**TECHLINE HCVXR-RW**



Purple striped dripline



**TECHLINE HCVXR-RWP**



Solid purple dripline



**LASER ETCHING**  
FOR EASY IDENTIFICATION



**TECHLINE HCVXR-RW/RWP**  
MADE WITH POST CONSUMER RECYCLED MATERIAL



QUALIFIES FOR USE ON LEED PROJECTS

## 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

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

**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 \*  
500' = 05  
1,000' = 10

**SAMPLE MODEL NUMBER**  
**TLHCVXR-RW3-1210**

**BLANK TUBING MODEL NUMBERS:**  
500' = TLHCVXR-RW005 OR TLHCVXR-RWP005 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

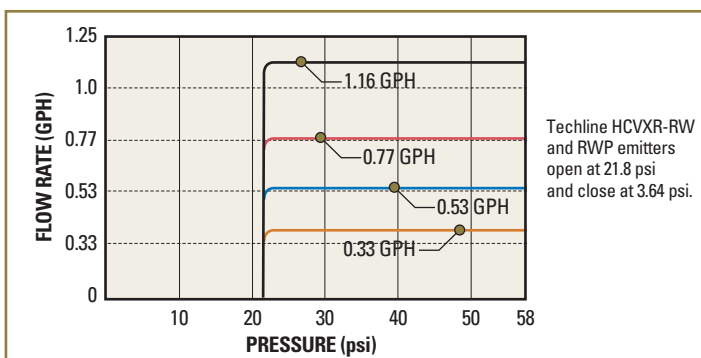
## TECHLINE HCVXR-RW ORDERING INFORMATION

FLOW RATE	EMITTER SPACING	COIL LENGTH	MODEL NUMBER
0.33 GPH	12"	500'	TLHCVXR-RW3-1205
	12"	1,000'	TLHCVXR-RW3-1210
	18"	500'	TLHCVXR-RW3-1805
	18"	1,000'	TLHCVXR-RW3-1810
0.53 GPH	12"	500'	TLHCVXR-RW5-1205
	12"	1,000'	TLHCVXR-RW5-1210
	18"	500'	TLHCVXR-RW5-1805
	18"	1,000'	TLHCVXR-RW5-1810
0.77 GPH	12"	500'	TLHCVXR-RW7-1205
	12"	1,000'	TLHCVXR-RW7-1210
	18"	500'	TLHCVXR-RW7-1805
	18"	1,000'	TLHCVXR-RW7-1810
1.16 GPH	12"	500'	TLHCVXR-RW11-1205
	12"	1,000'	TLHCVXR-RW11-1210
	18"	500'	TLHCVXR-RW11-1805
	18"	1,000'	TLHCVXR-RW11-1810
BLANK TUBING		500'	TLHCVXR-RW005
		1,000'	TLHCVXR-RW010

## MAXIMUM LENGTH OF A SINGLE LATERAL (FEET)

EMITTER SPACING	12"				18"				
	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

## FLOW RATE VS. PRESSURE



## TECHLINE HCVXR-RWP ORDERING INFORMATION

FLOW RATE	EMITTER SPACING	COIL LENGTH	MODEL NUMBER
0.33 GPH	12"	500'	TLHCVXR-RWP3-1205
	18"	500'	TLHCVXR-RWP3-1805
0.53 GPH	12"	500'	TLHCVXR-RWP5-1205
	18"	500'	TLHCVXR-RWP5-1805
0.77 GPH	12"	500'	TLHCVXR-RWP7-1205
	18"	500'	TLHCVXR-RWP7-1805
1.16 GPH	12"	500'	TLHCVXR-RWP11-1205
	18"	500'	TLHCVXR-RWP11-1805
BLANK TUBING		500'	TLHCVXR-RWP005



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