NDS®
PROFESSIONAL IRRIGATION

Dura Flo CV

17mm Check Valve Dripline

The Smart Landscape Dripline Solution

Faster & Easier to Install

Longest run lengths in the industry – fewer valves, less work

Superior performance and lower maintenance

Smart-Loc™ fittings – secure leak-free fit

ndspro.com

Dare to Compare

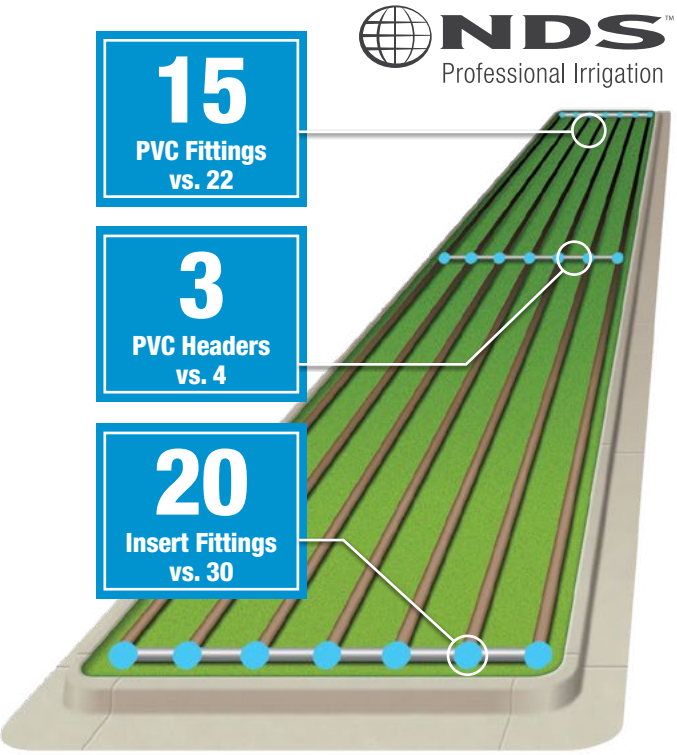
The Competition Doesn't Measure Up!

NDS 17mm Dura Flo CV Dripline utilizes a highly engineered check valve design that allows for lower opening pressures. That means you can install in larger sections before you need to install a valve. Installation is faster, saving you time and money.

30% LONGER RUN LENGTH AT 35 PSI* – NDS Run Lengths Exceed the Competition!

Reduce Material & Labor!

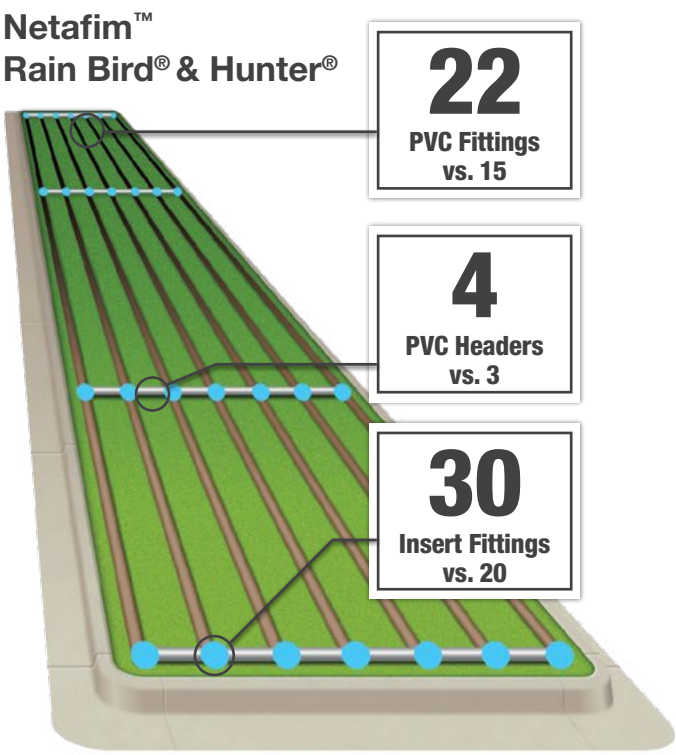
NDS's run length advantage delivers a reduction in header materials by **30%** and reduction in header installation labor by **20%**. Longer run lengths also mean there are **30%** fewer connections with less opportunity for leaks, lowering overall maintenance costs.



Aerial View of a 600' x 5' (3,000 sf) Median Using NDS Products

vs.

When you compare identical median installations, NDS Dura Flo CV Dripline reduces total fittings and headers!



Aerial View of a 600' x 5' (3,000 sf) Median Using Netafim™ Rain Bird® and Hunter® Products

Maximum Run Length (Feet) Comparison Charts

NDS Dura Flo CV Maximum Length of Run (Feet)
17mm Series - (0.560" ID x 0.660" OD)

Initial Pressure	12" Spacing			18" Spacing			24" Spacing		
	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH
15 PSI	261'	221'	161'	347'	292'	214'	420'	354'	260'
20 PSI	357'	300'	221'	477'	399'	294'	576'	488'	358'
25 PSI	422'	354'	259'	563'	471'	346'	684'	575'	421'
30 PSI	471'	395'	289'	629'	526'	385'	765'	642'	471'
35 PSI	514'	429'	314'	687'	571'	418'	835'	699'	512'
40 PSI	550'	460'	336'	735'	618'	449'	893'	748'	549'
45 PSI	582'	486'	355'	779'	650'	473'	947'	791'	581'
50 PSI	610'	508'	372'	818'	677'	493'	995'	830'	610'

NDS Dura Flo CV Dripline 17mm, 0.560" ID x 0.660" OD, Inline Flat Emitter – Check Valve and Pressure Compensating Features.

Netafim™ Techline CV Maximum Length of a Single Lateral (Feet)

Initial Pressure	12" Spacing			18" Spacing			24" Spacing		
	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH
20 PSI	235'	185'	135'	330'	260'	195'	n/a	330'	245'
25 PSI	295'	235'	175'	420'	330'	250'	n/a	420'	315'
35 PSI	375'	375'	225'	535'	420'	320'	n/a	535'	405'
45 PSI	435'	435'	260'	615'	485'	370'	n/a	620'	470'

Netafim™ Techline CV Dripline, 0.560" ID x 0.660" OD, Inline Flat Emitter – Check Valve and Pressure Compensating Features.

Rain Bird® XFCV Maximum Lateral Length of Single Lateral (Feet)

Initial Pressure	12" Spacing			18" Spacing			24" Spacing		
	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH
20 PSI	n/a	192'	136'	n/a	254'	215'	Rain Bird® does not offer 0.4 GPH flow rate or 24" spacing XFCV Dripline.		
30 PSI	n/a	289'	205'	n/a	402'	337'			
35 PSI	n/a	320'	226'	n/a	450'	377'			
40 PSI	n/a	350'	248'	n/a	498'	416'			
50 PSI	n/a	397'	281'	n/a	573'	477'			

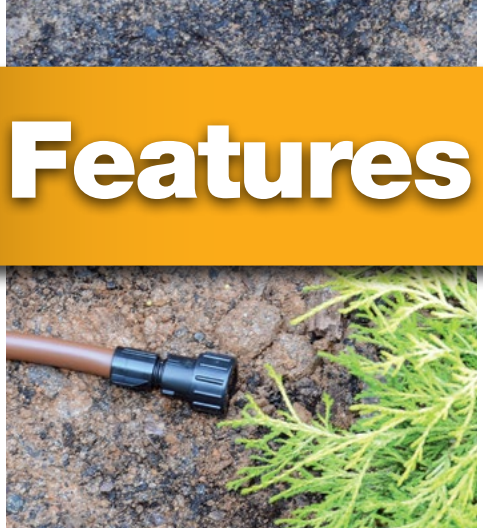
Rain Bird® XFCV Series Dripline, 0.536" ID x 0.634" OD, Inline Flat Emitter – Check Valve and Pressure Compensating Features.

Hunter® PLD Maximum Lateral Length of Single Lateral (Feet)

Initial Pressure	12" Spacing			18" Spacing			24" Spacing		
	0.4 GPH	0.6 GPH	1.0 GPH	0.4 GPH	0.6 GPH	1.0 GPH	0.4 GPH	0.6 GPH	1.0 GPH
20 PSI	354'	230'	169'	494'	320'	235'	620'	402'	295'
25 PSI	405'	265'	197'	563'	373'	276'	706'	471'	346'
35 PSI	481'	333'	240'	671'	462'	337'	842'	580'	425'
45 PSI	542'	364'	271'	755'	518'	384'	949'	657'	486'

Hunter® PLD, 0.560" ID x 0.660" OD, Inline Flat Emitter – Check Valve and Pressure Compensating Features.

Features



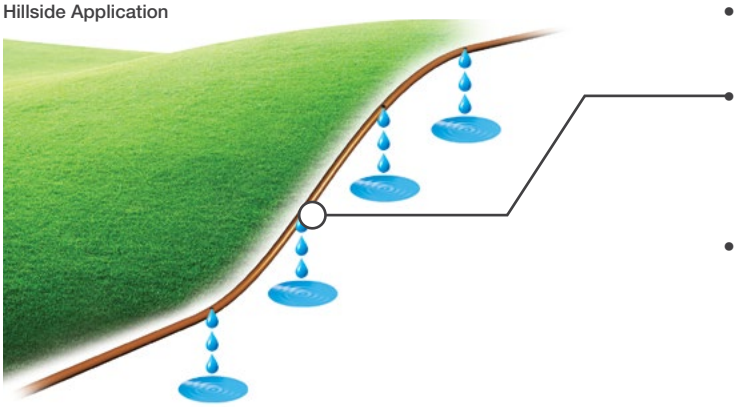
The Next Generation of Dripline

The new Dura Flo CV Check Valve Dripline combines the best of Dura Flo PC with a check valve. The combination brings the next level of water conservation to your irrigation project.

The dripper features a check valve in combination with anti-siphon capabilities. The check valve prevents low emitter drainage on shut down and the anti-siphon feature eliminates back-siphonage at each emitter. This combination maximizes water efficiency by minimizing water loss and protecting each emitter from clogging and root intrusion. NDS Dura Flo CV is the only product offering this level of efficiency and protection in an all-in-one solution for drip line applications.

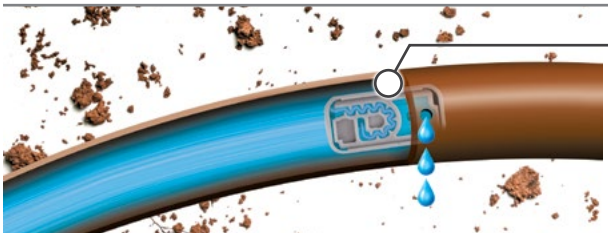
Check Valve

Hillside Application



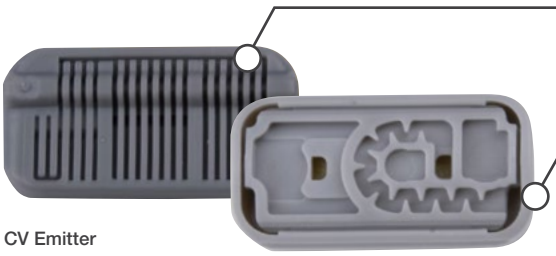
- Each emitter opens a 7.5 PSI – Longer run lengths lead to reduced material and labor costs
- Each emitter has a 2 PSI check valve that holds back up to 4.5 ft. of elevation – Prevents low head drainage and keeps the line full of water between irrigation intervals to provide instant watering when the system turns on for each cycle
- Reduces water waste – saves up to 1.39 gallons of water per 100 ft. of tubing

Anti-siphon



- Each dripper is designed with an anti-siphon feature that prevents the suction of debris into the emitter
- Built-in anti-siphon feature eliminates the need for an air/vacuum relief valve

Emitter Specifications



CV Emitter

- With its unique built-in filtration slits and self-cleaning design, clogging is minimized
- Flat, economical, check valve, pressure compensating, anti-siphon emitter maintains uniform flow rates at a wide range of working pressures and various topographies
- Operating range: 7.5 - 60 PSI
- Flow rates: 0.4 gph, 0.6 gph, and 0.9 gph
- Dripper spacing: 12", 18" or 24"

Pressure Compensation

- Conserves up to 70% of the water used by a conventional sprinkler irrigation system
- Distributes water evenly regardless of pressure fluctuations
- Self-flushing emitter eliminates debris from clogging the system during operation

Tubing Specifications

- Each roll is shrink wrapped for easy handling and to insure the roll stays together as product is dispensed. Tubing can be easily unwound from center of coil while shrink wrap maintains the remaining coil in place.
- 17mm (.560" ID x .660" OD)
  Also available in 18mm (.600" ID x .700" OD)
- Brown
- Black (MTO)*
- Purple (MTO)*
- Brown with Purple Stripe (MTO)*

** Made to Order*

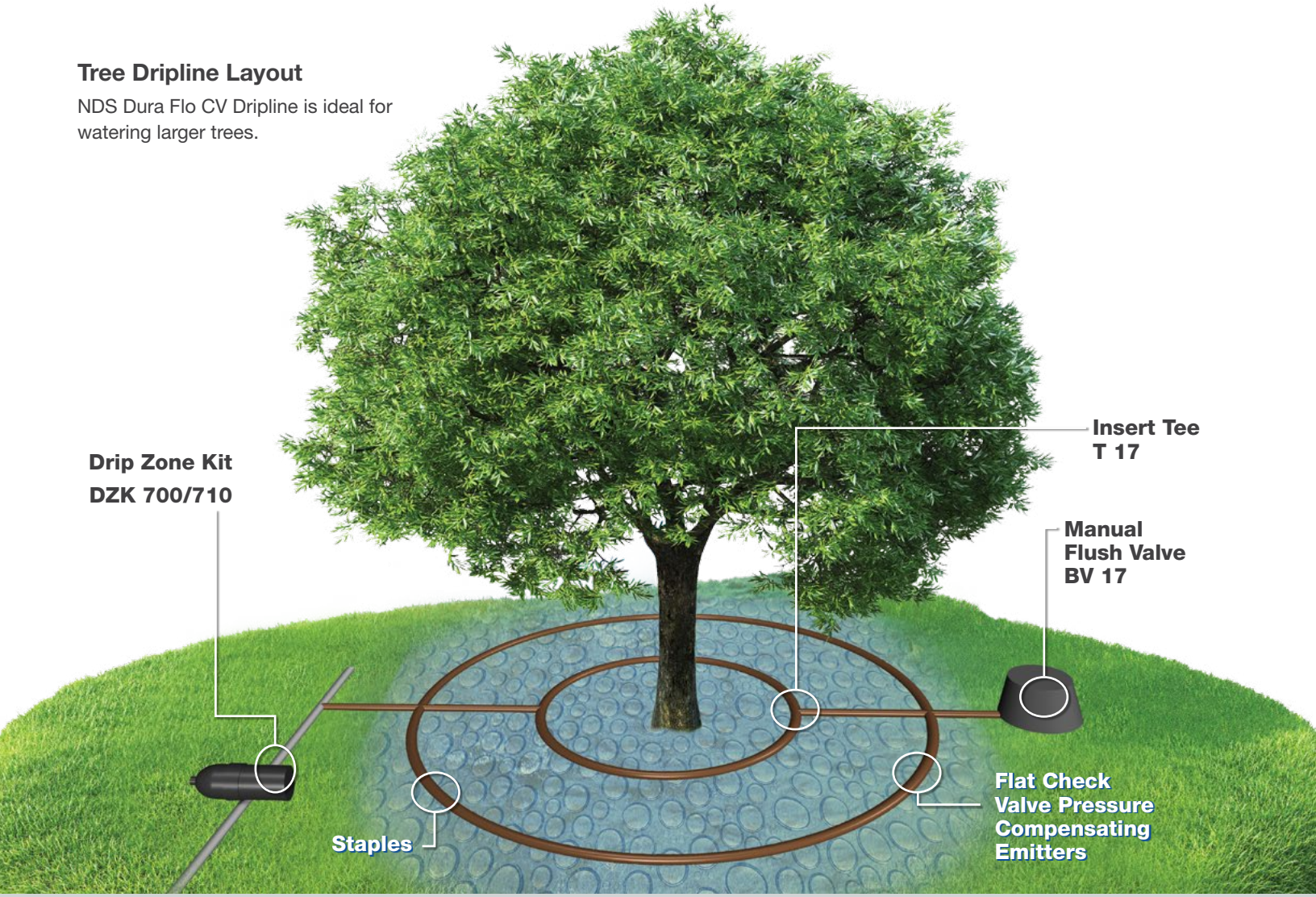
Applications

Ideal for a variety of applications

Because of the efficient emitter design with low opening pressure of 7.5 psi, NDS Dura Flo CV Dripline is the only check valve dripline that works with all applications.

Tree Dripline Layout

NDS Dura Flo CV Dripline is ideal for watering larger trees.



Foundation Planting

A low 7.5 psi opening pressure is ideal for foundation planting.

* Follow your local specified guidelines for mulching layer depth and material recommendations.

Raised Planters

Without any overspray or runoff, Dura Flo CV is a smart solution for raised planter applications.

Landscapes and Shrubs

Because water is delivered directly to the root zone, Dura Flo CV is an efficient way to water landscapes.

Medians and Roadways

Dura Flo CV limits liability in high-traffic areas by preventing overspray and eliminating runoff from emitter drainage.

Hillsides and Slopes

A 2 psi check valve in each emitter prevents low emitter drainage on hillsides and slopes.

* Follow your local specified guidelines for mulching layer depth and material recommendations.

Subsurface Turf and Sports Fields

A check valve in each emitter prevents back-siphonage of debris in buried applications.

Quick Design Guide

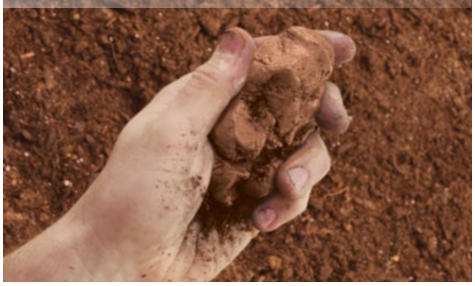
for on-surface and subsurface applications

Subsurface Installation

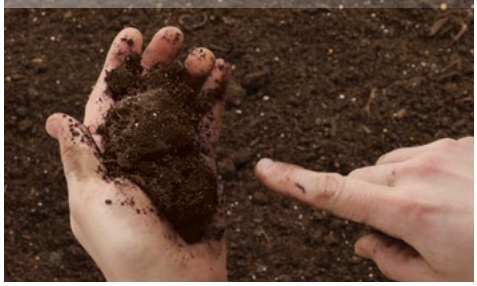
1 Identify Soil Type

Different soil types have different water filtration rates. Clay, Loam and Sand are the three most common soil types. Grab a handful of moist soil (not wet) and squeeze it firmly, then give it a light poke. The way it reacts will help you determine your soil type.

Clay
will hold its shape and remain in your hand when poked



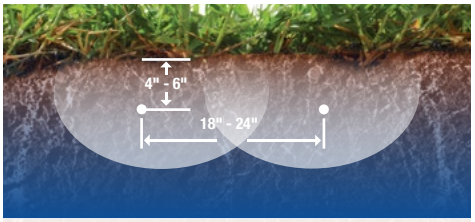
Loam
will hold its shape and crumble when poked



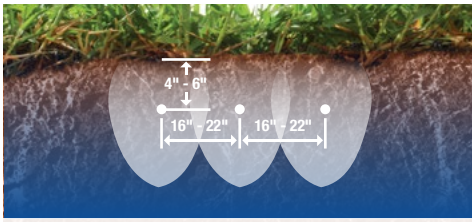
Sand
will fall apart when you open your hand

Soil Infiltration Rates in Inches per Hour			
Percent of Slope	**Clay**	**Loam**	**Sand**
0% - 4%	0.13 - 0.44	0.44 - 0.88	0.88 - 1.25
5% - 8%	0.1 - 0.35	0.35 - 0.7	0.7 - 1

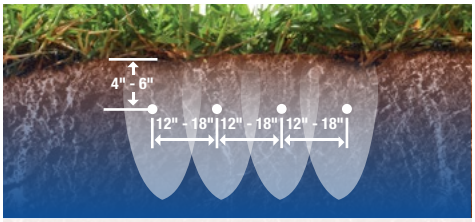
As the slope increases, infiltration rates will continue to decrease. These values are derived from USDA information.



Clay



Loam



Sand

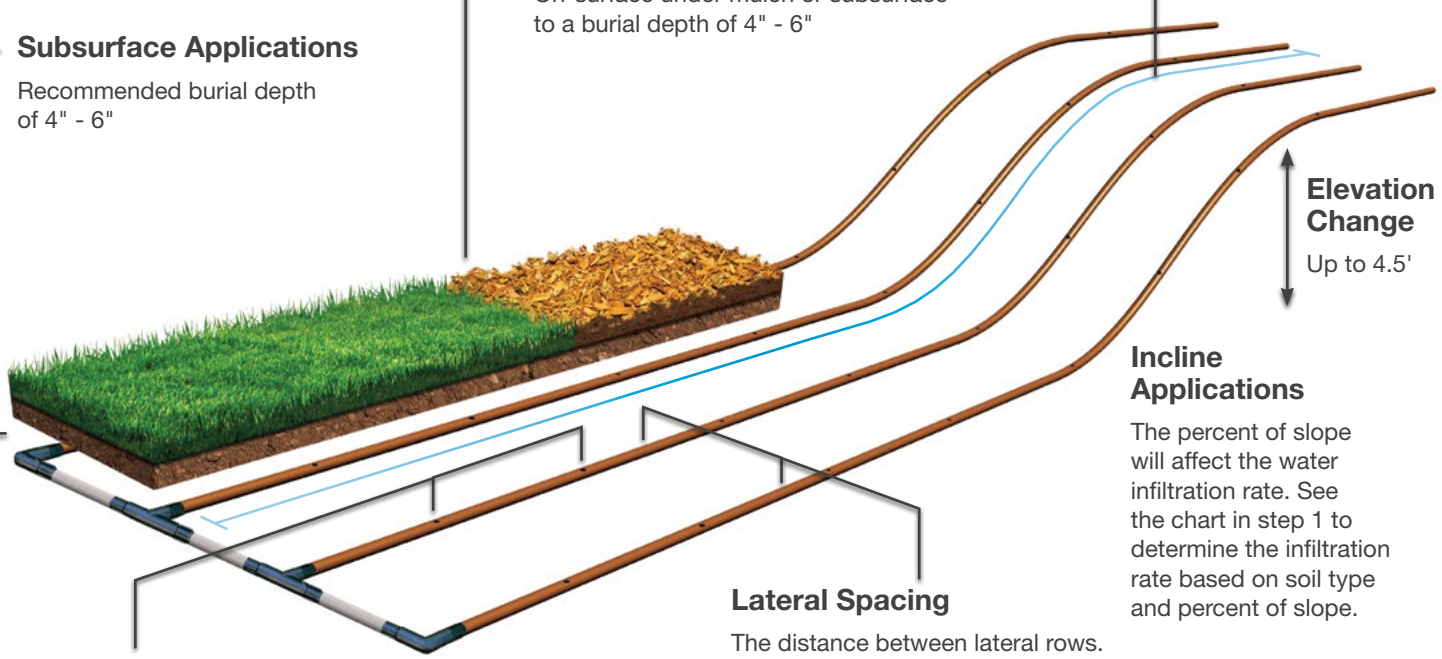
The following are cross-section views of a dripline row. These illustrations show water movement in a subsurface application. These guidelines apply to on-surface as well as subsurface installations.

2 Select Emitter Flow Rate and Spacing

Now that you've identified your soil type, use the chart below to determine the ideal distance to space your lateral rows and your emitters. Note that recommendations are different for watering turf vs. landscape planting areas.

Dura Flo CV Dripline Recommendations

Planting Type	Turf			Landscape Plantings		
Soil Type	**Clay**	**Loam**	**Sand**	**Clay**	**Loam**	**Sand**
Emitter Flow Rate (gallons per hour)	0.4	0.6	0.9	0.4	0.6	0.9
Emitter Spacing	18"- 24"	18"	12"	18"	18"	12"
Dura Flo CV Dripline Lateral Spacing	12"- 24"	13"- 18"	12"- 20"	14"- 24"	14"- 20"	12"- 22"



Shrub and Groundcover Applications

On-surface under mulch or subsurface to a burial depth of 4" - 6"

Run Length

Subsurface Applications

Recommended burial depth of 4" - 6"

Elevation Change

Up to 4.5'

Incline Applications

The percent of slope will affect the water infiltration rate. See the chart in step 1 to determine the infiltration rate based on soil type and percent of slope.

Lateral Spacing

The distance between lateral rows. Note, it is recommended that rows be placed no closer than 2" to any hardscape surface and 2"-4" away from other planting areas.

Emitter Spacing

Indicates the distance between individual emitters. Dura Flo CV Dripline is offered in different flow rates, lengths and 12", 18" and 24" emitter spacing.

Watch detailed installation videos at **youtube.com/ndstraining**

NOTE: These are general guidelines. Actual conditions may require modifications to emitter flow rate, emitter spacing and lateral row spacing.

3 Select Application Rate (Based on Emitter Flow Rate and Spacing)

Use the lateral row spacing, emitter spacing and flow rate determined in step 2 to find the water application rate based on those factors. Based on the individual water needs of your turf or planting use the water application rate to determine your ideal run time in step 4 below.

Water Application Rate (In Inches per Hour)

Emitter Spacing	Distance between Laterals										
	12"	13"	14"	15"	16"	17"	18"	19"	20"	22"	24"
	0.4 GPH Emitter Flow Rate										
12"	0.64	0.59	0.55	0.51	0.48	0.45	0.43	0.41	0.39	0.35	0.32
18"	0.43	0.4	0.37	0.34	0.32	0.3	0.29	0.27	0.26	0.23	0.21
24"	0.32	0.3	0.28	0.26	0.24	0.23	0.21	0.2	0.19	0.18	0.16
	0.6 GPH Emitter Flow Rate										
12"	0.96	0.89	0.83	0.77	0.72	0.68	0.64	0.61	0.58	0.53	0.48
18"	0.64	0.59	0.55	0.51	0.48	0.45	0.43	0.4	0.39	0.35	0.32
24"	0.48	0.44	0.41	0.39	0.36	0.34	0.32	0.3	0.29	0.26	0.24
	0.9 GPH Emitter Flow Rate										
12"	1.44	1.33	1.24	1.16	1.08	1.02	0.96	0.91	0.87	0.79	0.72
18"	0.96	0.89	0.83	0.77	0.72	0.68	0.64	0.61	0.58	0.53	0.48
24"	0.72	0.67	0.62	0.58	0.54	0.51	0.48	0.46	0.43	0.39	0.36

4 Select a Run Time

The chart below provides the run time in the number of minutes it takes to apply ¼" of water. Use the water application rate determined in step 3 along with this to determine the ideal run time for your area.

Dura Flo CV Run Time (In Minutes) To Apply ¼" of Water

Emitter Spacing	Distance between Laterals										
	12"	13"	14"	15"	16"	17"	18"	19"	20"	22"	24"
	0.4 GPH Run Time										
12"	23	25	27	29	31	33	35	37	38	43	47
18"	35	38	41	44	47	50	52	56	58	65	71
24"	47	50	54	58	63	65	71	75	79	83	94
	0.6 GPH Run Time										
12"	16	17	18	19	21	22	23	25	26	28	31
18"	23	25	27	29	31	33	35	38	38	43	47
24"	31	34	37	38	42	44	47	50	52	58	63
	0.9 GPH Run Time										
12"	10	11	12	13	14	15	16	16	17	19	21
18"	16	17	18	19	21	22	24	24	26	28	31
24"	21	22	24	26	28	29	31	32	35	38	42

5 Determine Maximum Lateral Lengths (Feet)

The operating pressure combined with emitter spacing and flow rate will provide the maximum length of a lateral row of Dura Flo CV Dripline for your application. Determine your inlet pressure and select your spacing and flow rate based on the chart to determine your maximum length of run. Note, when using 17mm insert fittings with design pressure over 50 psi (3.4 bars), it is recommended that stainless steel clamps be installed on each fitting.

NDS Dura Flo CV Maximum Length of Run (Feet)
17mm Series - (0.560" ID x 0.660" OD)

Inlet Pressure	12" Spacing			18" Spacing			24" Spacing		
	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH
15 PSI	261'	221'	161'	347'	292'	214'	420'	354'	260'
20 PSI	357'	300'	221'	477'	399'	294'	576'	488'	358'
25 PSI	422'	354'	259'	563'	471'	346'	684'	575'	421'
30 PSI	471'	395'	289'	629'	526'	385'	765'	642'	471'
35 PSI	514'	429'	314'	687'	571'	418'	835'	699'	512'
40 PSI	550'	460'	336'	735'	618'	449'	893'	748'	549'
45 PSI	582'	486'	355'	779'	650'	473'	947'	791'	581'
50 PSI	610'	508'	372'	818'	677'	493'	995'	830'	610'

6 Conversions from GPH to GPM

Determine the overall water application rate for the entire area.
If you convert the gallons per minute for each 100 square feet you can quickly determine the maximum size of each zone from the available water source. To do this, add the total feet of the dripline in the zone and convert that into hundreds of feet. So 450 feet would be 4.5 in hundreds of feet. Then multiply that number by the flow per hundred feet in the chart below.

Dura Flo CV Dripline Flow
(Per 100 Feet)

Emitter Spacing	0.4 GPH Emitter		0.6 GPH Emitter		0.9 GPH Emitter	
	GPH	GPM	GPH	GPM	GPH	GPM
12"	40.00	0.67	60.00	1.00	90.00	1.50
18"	26.67	0.44	40.00	0.67	60.00	1.00
24"	20.00	0.33	30.00	0.50	45.00	0.75

Find Our Dripline Calculator at
Ndspro.com/dura-flo-inline-cv

Watch detailed installation videos at
youtube.com/ndstraining

NOTE: These are general guidelines. Actual conditions may require modifications to emitter flow rate, emitter spacing and lateral row spacing.

Accessories

Inserts

NDS's Barbed Insert Fittings are easy to install and compatible with 17mm tubing. Clamps are not required at pressures less than 50 psi.

NDS ¾" Insert M.A.
Part Number - BTMA 1775

NDS Dura Flo Insert Elbow
Part Number - EL 17

NDS ½" Insert M.A.
Part Number - BTMA 1750

NDS Dura Flo Insert Coupling
Part Number - C 17

NDS Dura Flo Insert Tee
Part Number - T 17

NDS 17mm Insert Cross
Part Number - CX 17

NDS 17mm Insert Tee x ½" MPT Adapter
Part Number - TMA 1750

NDS 17mm Insert Y x ¾" MPT Adapter
Part Number - YMA 1775

Flush Valve

NDS 17mm Insert Ball Valve
Part Number - BV 17

Reclaimed Water Tubing

Adheres to municipal standards for reclaimed water.

Stakes

SW6

Point of Connection

NDS Battery Hose Bib Timer
Part Number - A675CT

Pressure Regulating Filters
Part Number - PRYF30, PRYF40

Spray-to-Drip Conversion Kit
Part Number - FR2 17/710

Drip Zone Kit
Part Number - DZK 700/710

Colors Options

A. Brown

B. Black (MTO)*

C. Purple (MTO)*

D. Brown with Purple Stripe (MTO)*

**Made to Order*

Smart-Loc™ Fittings

Fits 16mm, 17mm & 18mm Tubing

Tee
Part Number - CT 18

Coupling
Part Number - SLC 18

End Plug
Part Number - CEP 18

Elbow
Part Number - CEL 18

Male Hose Thread Adaptor
Part Number - CMAH 18

Swivel Adaptor Female Hose Thread
Part Number - CSA 18

½" Male Pipe Thread Adaptor
Part Number - CMAP 5 - 18

¾" Male Pipe Thread Adaptor
Part Number - CMAP 75 - 18

Watch detailed installation videos at
youtube.com/ndstraining

Case Study

Project Information

Until 2011, the owners of the Market Place Shopping Center in Tustin, CA, had been utilizing spray irrigation to water the landscaping, with mixed results. On the plus side, the plants were watered regularly.

The downside? The grounds beyond the landscaped areas were also getting soaked, which meant water runoff onto sidewalks and parking areas. To conserve water and prevent customers' cars from being sprayed, a drip irrigation system was recommended.

After back-and-forth communication between Mission Landscapes and the NDS technical team, the Check Valve was determined to be the ideal solution. To ensure a smooth transition, several representatives from NDS were on-site to support the contractor during installation.

The result: straightforward installation and a more efficient, water-saving system than the Irvine Company had been using prior.

The project was specified with a Netafim™ TLCV Dripperline and Low-Flow Drip Zone Kit, but as the competitor's Dripperline only extends to a certain length, more product would have to be installed than if a suitable alternative were used.

With research, an alternative was found: a newly launched product from NDS called the Dura Flo Inline Check Valve. NDS's low-profile emitter has a flat design for reduced pressure loss, allowing for longer lateral runs – in turn, this reduces the material used and saves the contractor valuable installation time.

Product Features for Success

Drip Application
Water is applied directly to the plant zone, resulting in less runoff and better plant health.

Check Valve Feature
Water is conserved between irrigation cycles. Check Valve seals off at 2 psi and eliminates low head drainage.

Length of Tubing
With long runs there is less material used, resulting in more time and money saved.

Standardized
Accepts industry standard 17mm barbed insert fittings.

Fast Facts

Product & Quantity
Dura Flo Inline Check Valve, 1100 LF
(SFCV-BR-6412-10)

Address
The Market Place
2915 El Camino Real
Tustin, CA 92782

Application
Spray-to-Drip Conversion

Installation Date
February 11, 2011

Owner
The Irvine Company

Contractor
Mission Landscapes

Case Study

Project Information

A newly built home in Jacksonville, FL, was using a non-pressure regulated overhead sprinkler irrigation system to water both plant and turf areas. Using a single system for both plant and turf areas resulted in excessive overspray and long run times. The new homeowners were not happy with both the performance and the monthly expense.

In fact, after reviewing the existing system, the total system flow (flows from all spray and rotor nozzles and their respective run times) was using 110 gallons per minute. With extended run times, the old system used 9,900 gallons each time the system ran. That added up to 1,980,000 gallons of water a year! A better, more efficient irrigation was needed.

A new system was designed to:

- Convert the turf areas to subsurface drip irrigation
- Convert the landscaped areas to on-surface drip irrigation

NDS Dura Flo CV was chosen for both applications to provide better results and operate more efficiently. Per NDS's recommendation, the homeowner hired a professional irrigation contractor to install the new system.

The result? The proof is in the water bill. Their average bill was reduced from $105.00/month to just $40.00 with the modifications. And the environmental impact is a positive, too, with a 62% reduction in water use. Best of all, the turf and the plants are healthier and thriving thanks to the delivery of water directly to their roots.

Results

The new system reduced the overall total flow by 75 gallons a minute. Due to the increased efficiency of the drip system, run times could be reduced to 50 minutes. This resulted in a total flow of 3,750 gallons each time the system ran for a total annual use of 750,000 gallons, instead of the nearly 2 million used prior to installing the NDS Dura Flo CV.

"An even and measured supply of water is important for plant health, which these plants weren't getting prior to installing the NDS dripperline. Then add the check valve feature to prevent low head drainage, and you get increased water savings – it's a win-win."

Ben Knickel, Business Development Manager of Efficient Irrigation at NDS, Inc.

Cross-Reference

NDS 17mm SKU Comparison

Dura Flo CV Inline 17mm Check Valve Tubing				
NDS Description	**NDS SKU**	**Netafim™ SKU**	**Rain Bird® SKU**	**Hunter**
0.4 GPH Flow Rate				
12" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6112-05S	no 500' coil	no 0.4 GPH	no 500' coil
18" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6118-05S	no 500' coil	no 0.4 GPH	no 500' coil
24" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6124-05S	no 500' coil	no 0.4 GPH	no 500' coil
0.6 GPH Flow Rate				
12" spacing, 100' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6212-01S	TLCV6-1201	XFCV0612100	PLD-06-12-100
12" spacing, 250' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6212-025S	TLCV6-12025	no 250' coil	PLD-06-12-250
12" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6212-05S	TLCV6-1205	XFCV0612500	no 500' coil
12" spacing, 1000' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6212-10	TLCV6-1210	no 1000' coil	PLD-06-12-1000
18" spacing, 100' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6218-01S	TLCV6-1801	XFCV0618100	PLD-06-18-100
18" spacing, 250' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6218-025S	TLCV6-18025	no 250' coil	PLD-06-18-250
18" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6218-05S	TLCV6-1805	XFCV0618500	no 500' coil
18" spacing, 1000' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6218-10	TLCV6-1810	no 1000' coil	PLD-06-18-1000
24" spacing, 100' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6224-01S	TLCV6-2401	no 24" spacing	PLD-06-24-100
24" spacing, 250' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6224-025	TLCV6-24025	no 24" spacing	PLD-06-24-250
24" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6224-05S	no 500' coil	no 24" spacing	no 500' coil
24" spacing, 1000' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6224-10	TLCV6-2410	no 24" spacing	PLD-06-24-1000
0.9 GPH Flow Rate				
12" spacing, 100' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6412-01S	TLCV9-1201	XFCV0912100	PLD-10-12-100
12" spacing, 250' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6412-025S	TLCV9-12025	no 250' coil	PLD-10-12-250
12" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6412-05S	TLCV9-1205	XFCV0912500	no 500' coil
12" spacing, 1000' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6412-10	TLCV9-1210	no 1000' coil	PLD-10-12-1000
18" spacing, 100' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6418-01S	TLCV9-1801	XFCV0918100	PLD-10-18-100
18" spacing, 250' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6418-025S	TLCV9-1805	no 250' coil	PLD-10-18-250
18" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6418-05S	TLCV9-18026	XFCV0918500	no 500' coil
18" spacing, 1000' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6418-10	TLCV9-1810	no 1000' coil	PLD-10-18-1000
24" spacing, 100' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6424-01S	TLCV9-2401	no 24" spacing	PLD-10-24-100
24" spacing, 250' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6424-025S	TLCV9-24025	no 24" spacing	PLD-10-24-250
24" spacing, 500' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6424-05S	no 500' coil	no 24" spacing	no 500' coil
24" spacing, 1000' coil 17mm CV (0.560"ID x 0.660"OD)	SFCV-BR-6424-10	TLCV9-2410	no 24" spacing	PLD-10-24-1000
Rain Bird® only offers 100' and 500' coils in their new check valve tubing - No 24" spacing available				

NDS 17mm SKU Comparison (Continued)

Dura Flo PC 17mm Inline Tubing Round Emitter				
NDS Description	**NDS SKU**	**Netafim™ SKU**	**Rain Bird® SKU**	**Hunter**
0.5 GPH Flow Rate				
12" spacing, 100' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17212-01S	TLDL6-1201	XFD0612100	No SKUs Offered
12" spacing, 250' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17212-025S	TLDL6-12025	XFD0612250	
12" spacing, 500' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17212-05S	TLDL6-1205	XFD0612500	
12" spacing, 1000' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17212-10	TLDL6-1210	no 1000' coil	
18" spacing, 100' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17218-01S	TLDL6-1201	XFD0618100	
18" spacing, 250' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17218-025S	TLDL6-12025	XFD0618250	
18" spacing, 500' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17218-05S	TLDL6-1205	XFD0618500	
18" spacing, 1000' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17218-10	TLDL6-1210	no 1000' coil	
24" spacing, 100' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17224-01S	TLDL6-2401	no 100' coil	
24" spacing, 250' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17224-025S	TLDL6-24025	no 250' coil	
24" spacing, 500' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17224-05S	no 500' coil	XFD0624500	
24" spacing, 1000' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17224-10	TLDL6-2410	no 1000' coil	
1.0 GPH Flow Rate				
12" spacing, 100' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17412-01S	TLDL9-1201	XFD0912100	No SKUs Offered
12" spacing, 250' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17412-025S	TLDL9-12025	XFD0612250	
12" spacing, 500' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17412-05S	TLDL9-1205	XFD0612500	
12" spacing, 1000' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17412-10	TLDL9-1210	no 1000' coil	
18" spacing, 100' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17418-01S	TLDL9-1201	XFD0618100	
18" spacing, 250' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17418-025S	TLDL9-12025	XFD0618250	
18" spacing, 500' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17418-05S	TLDL9-1205	XFD0618500	
18" spacing, 1000' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17418-10	TLDL9-1210	no 1000' coil	
24" spacing, 100' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17424-01S	TLDL9-2401	no 100' coil	
24" spacing, 250' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17424-025S	TLDL9-24025	no 250' coil	
24" spacing, 500' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17424-05S	no 500' coil	XFD0624500	
24" spacing, 1000' coil 17mm PC (0.560"ID x 0.660"OD)	SFPC-BR-17424-10	TLDL-2410	no 1000' coil	
Blank 17mm Supply Tubing				
17mm blank tubing 100' coil brown (0.560"ID x 0.660"OD)	A 660BR/100	TLDL001	XFD100	No SKUs Offered
17mm blank tubing 250' coil brown (0.560"ID x 0.660"OD)	A 660BR/250	TLDL0025	XFD250	
17mm blank tubing 500' coil brown (0.560"ID x 0.660"OD)	A 660BR/500	no 500' coil	XFD500	
17mm blank tubing 1000' coil brown (0.560"ID x 0.660"OD)	A 660BR/1000	TLDL010	no 1000' coil	

Technical Data

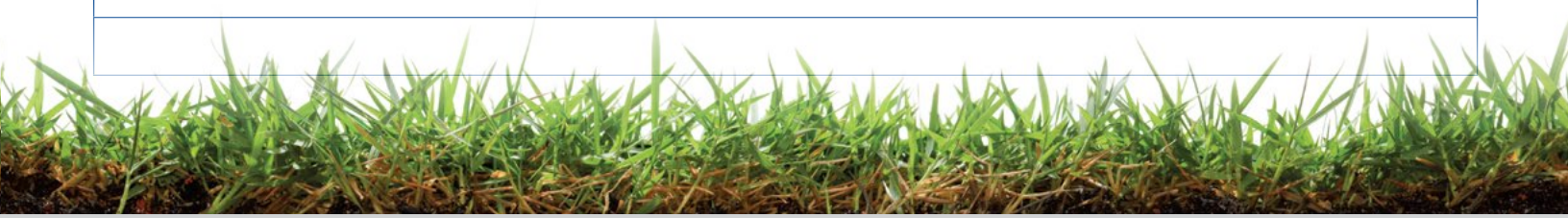
Which Dura Flo products do you need?	Dura Flo Check Valve SFCV	Dura Flo PC SFPC	Dura Flo Jr 1/4" SFJR
Turbulent flow non-pressure compensating			✔
Works well in ideal flat conditions	✔	✔	✔
Delivers stated GPH (gallons per hour) in each emitter even with pressure of 10-60 psi pressure compensating		✔	
Delivers stated GPH (gallons per hour) in each emitter even with pressure of 7.5-60 psi pressure compensating	✔		
Self-cleaning to prevent clogging of emitters	✔	✔	
Works well with elevation changes	✔	✔	
Works well with elevation changes – holding back 4.5 ft. of head pressure saving 1.39 gallons of water for every 100 ft.	✔		
Seals water in the line preventing any drainage or erosion, and water waste (water conservation) check valve	✔		
Each emitter opens and closes at same pressure along the line providing exceptional uniformity, and saving thousands of gallons annually	✔		
Built-in anti-siphon mechanism prevents any suction of debris into the emitter	✔		
No air/vacuum relief valve is required, saving on installations and additional valve boxes	✔		

How to Order:					
SFCV -	XX -	X	X	XX -	XXX
Product Type	Color	Size (OD)	Flow Rate	Spacing	Coil Length
SFCV Dripperline	BL = Black	6 = 0.660"	2 = 0.6 gph	12 = 12"	01 = 100'
	BR = Brown	7 = 0.700"	4 = 0.9 gph	18 = 18"	025 = 250'
	RC = Purple			24 = 24"	05 = 500'
					10 = 1000'

Warranty

NDS Dura Flo CV dripline offers five (5) years on product workmanship and seven (7) years on environmental stress cracking.

Notes



NDS®
PROFESSIONAL IRRIGATION

Dura Flo CV

Check Valve Dripline

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Visit **ndspro.com/dura-flo-inline-cv**
for specs, detail drawings and case studies

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