

DAN-Accessories



DAN-LPD

- ✓ LPD stands for 'Leakage Prevention Device' and serves to prevent leaking of lines and dripping of sprinklers
- ✓ Prevent water hammer in sprinkler lines
- ✓ Prolong the service life of sprinklers
- ✓ Easy to open thanks to screw connection
- ✓ Short opening time and low resistance
- ✓ Standard filter with 3/8 WW and M11 connection

TECHNICAL DATA

Model 2010-today*

Low pressure LPD (LD) - 1	
Opening pressure	: +/- 1,4 bar
Shut-off pressure	: +/- 0,6 bar
Colour	: black
Material	: acetal (body)
Diaphragm	: blue, silicone
(see 'Types LPD-rubber)	(same as HD-rubber)
Connections	: 3/8ww - clamp
	: M11 - clamp
	: PE-4/7 & PE-7/10- clamp
	: PE-4/7 & PE-7/10 - bayonet (KK)
	: clamp - clamp

Model 2003-2010*

Low pressure LPD (LD) - 3	
Opening pressure	: +/- 1,7 bar
Shut-off pressure	: +/- 0,6 bar
Colour	: black
Material	: acetal (body)
Diaphragm	: black, EPDM rubber
	: green, silicone
	(slightly higher opening press. than black)
Connections	: identical with the model 2010-today

APPLICATION

- ✓ Low-pressure LPDs (black) are used with the DAN-Bridgeless S, Bridgeless and with the modular sprinklers (8991, 8966, 7955, etc.)
- ✓ High-pressure LPDs (blue/black) are used with the DAN Foggers

High pressure LPD (HD) - 2

	: +/- 4 bar
	: +/- 2,4 bar
	: black / blue
	: acetal (body)
	: blue, silicone
	(same as LP-rubber)
	: 3/8ww - clamp
	: PE-4/7 - clamp
	: clamp - clamp



High pressure LPD (HD) - 4

	: +/- 4 bar
	: +/- 2,4 bar
	: black / blue
	: acetal (body)
	: black, EPDM rubber
	(stiffer than old LPD rubber)
	: identical with the model 2010-today



* The connections of the LPDs can differ.

DAN-Filter

An LPD or butterfly is standard equipped with a filter (strainer). The pressure loss is specified in the 'DAN Suspended' table. This filter has 6 slots: h = 0.4 mm; d=6mm; total surface = 45 mm². The passage of the hole: int. = 3.7mm; surface = 10.7 mm²

We recommend not removing the DAN filter from DAN nozzles to avoid clogging of the nozzle. A valve section must be provided with DAN filters as a whole or not at all, resulting in even pressure losses. If the filter appears to clog or you intend to remove the filter, please contact Netafim for tailor-made (filtration) advice.



Types of LPD rubber

Note: It is important that the same type of LPD or rubber is used in an irrigation section. A distinction must be made between the following types of membrane:

- 1: Old model LPD-LP, EPDM version
- 2: Old model LPD-LP, green silicone version
- 3: Old model LPD-HP, EPDM version
- 4: New model LPD-LP, blue silicone version
- 5: New model LPD-HP, green silicone version for use with DAN Superfogger
6. Model with transparent appearance (mid 2020)



Pressure loss (mwc)

Flow rate (l/h)	Filter (mwc)	3/8ww & M11 (mwc)	Total (mwc)	Barb 4/7 (mwc)	Barb 7/10 (mwc)	Clamp (mwc)
50	0,1	0,1	0,2	0,5	0,1	0,1
100	0,5	0,5	1	1,5	0,5	0,4
160	1,1	1,8	2,9	3,5	1,9	1,9
200	2	2,7	4,7	5,5	2,9	3,1
250	3	4,3	7,3	8,5	4,6	3,8
300	4,5	6,4	10,9	13	6,8	5,6

DAN-Nozzles

- ✓ Spray nozzle flow rate determination
- ✓ Colour coding indicates the nozzle size / flow rate
- ✓ For installation in modular greenhouse sprinklers and DAN Flippers



DAN anti-mist

- ✓ Reduces the flow rate (anti-mist element determines the flow rate)
- ✓ Removes fine droplets from the spray pattern
- ✓ Suitable for strip or tunnel irrigation
- ✓ Install between sprinkler and LPD or butterfly



Flow rate anti-mist (l/h)

Nozzle colour	Green (l/h)	Orange (l/h)	Yellow (l/h)	Blue (l/h)
Nozzle flow rate (@ 2 bar)	105	120	160	200
Anti-mist flow rate (@ 2 bar)	40	70	90	120
DAN-8991	+	+	+	+
DAN-8966	-	-	-	-
DAN-7955 (with anti-mist: 7755)	+	+	+	+
DAN-8955 (with anti-mist: 8855)	-	-	-	-

Blind plug (Fogger stop)

- ✓ For temporary or permanent sprinkler shut off
- ✓ Fits all DAN sprinklers and parts such as butterflies and LPDs
- ✓ With clamp fitting



PE-Mini valve 4/7

- ✓ For the temporary or permanent closure of a micro-tube or sprinkler



Sprinkler flow rate (l/h) and nozzle diameter (mm)

Nozzle colour	Black	Violet	Brown	Grey	Green	Orange	yellow	Blue	Ivory	Red	Black
Diameter (mm)	0,70	0,82	0,94	1,16	1,41	1,50	1,73	1,92	2,07	2,18	2,34
Pressure (bar)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)	(l/h)
1,5	21	30	37	61	90	104	137	171	201	219	256
2,0	25	35	45	70	105	120	160	200	235	257	300
2.5	29	39	48	78	116	134	177	221	263	287	335
3.0	32	43	55	86	129	147	196	245	288	318	367
Anti-mist											
2,0	-	-	-	-	40	70	90	120	-	-	-