

# LPD

## Leakage Prevention Device

LPD is a rubber valve which closes the outlet to the emitters

- Prevents drainage through emitters
- Keeps system filled with water under pressure, enabling immediate start-up
- Allows all units to start/stop simultaneously
- Stops leakage from the emitter when the system reaches closure pressure

High pressure LPD 4/7



Low pressure LPD 4/7



High pressure LPD 3/8"



Low pressure LPD 3/8"



High pressure LPD female



Low pressure LPD female



### LPD for Hadar 7110

LPD 4 mm + bavonet connection



LPD with 3/8"W or 1/2" adaptor



## Leakage Prevention Device

### Main Features

- Modular: Fits NaanDan micro-sprinklers
- Minimal pressure loss even with high flow rates
- One-stage opening: LPD is either completely opened or completely closed
- Easy to dismantle for cleaning and maintenance
- PE and PVC connections

### Two types of LPD are available:

- Black: Low pressure LPD for micro-sprinklers
- Blue: High pressure LPD for Foggers

### LPD for 7110 Hadar

Maximum working pressure: 5.0 bar  
Head loss: 5.0 m at 160 l/h

### Pressure loss

Low pressure LPD (Inlet pressure 20 m)		High pressure LPD (Inlet pressure 40 m)	
Flow rate l/h	Pressure loss m	Flow rate l/h	Pressure loss m
100	0	60	0
120	0.5	80	0.5
140	0.5	100	1.0
160	1.0	120	1.0
180	1.0		
200	1.5		
220	1.5		

### Minimal operating pressure (bar)

	Low pressure LPD	High pressure LPD*	7110
Opening	~2.0	~4.0	1.3
Closure	~1.0	~2.0	0.9

### Examples of application:



Modular inverted swivel  
Green nozzle (104 l/h)  
Low pressure LPD 3/8"



Modular mist spreader  
Gray nozzle (70 l/h)  
Low pressure female LPD  
on head 1/2"



Hadar 7110 mist sprayer  
Inverted + LPD



2 Foggers on T  
High pressure LPD 3/8"