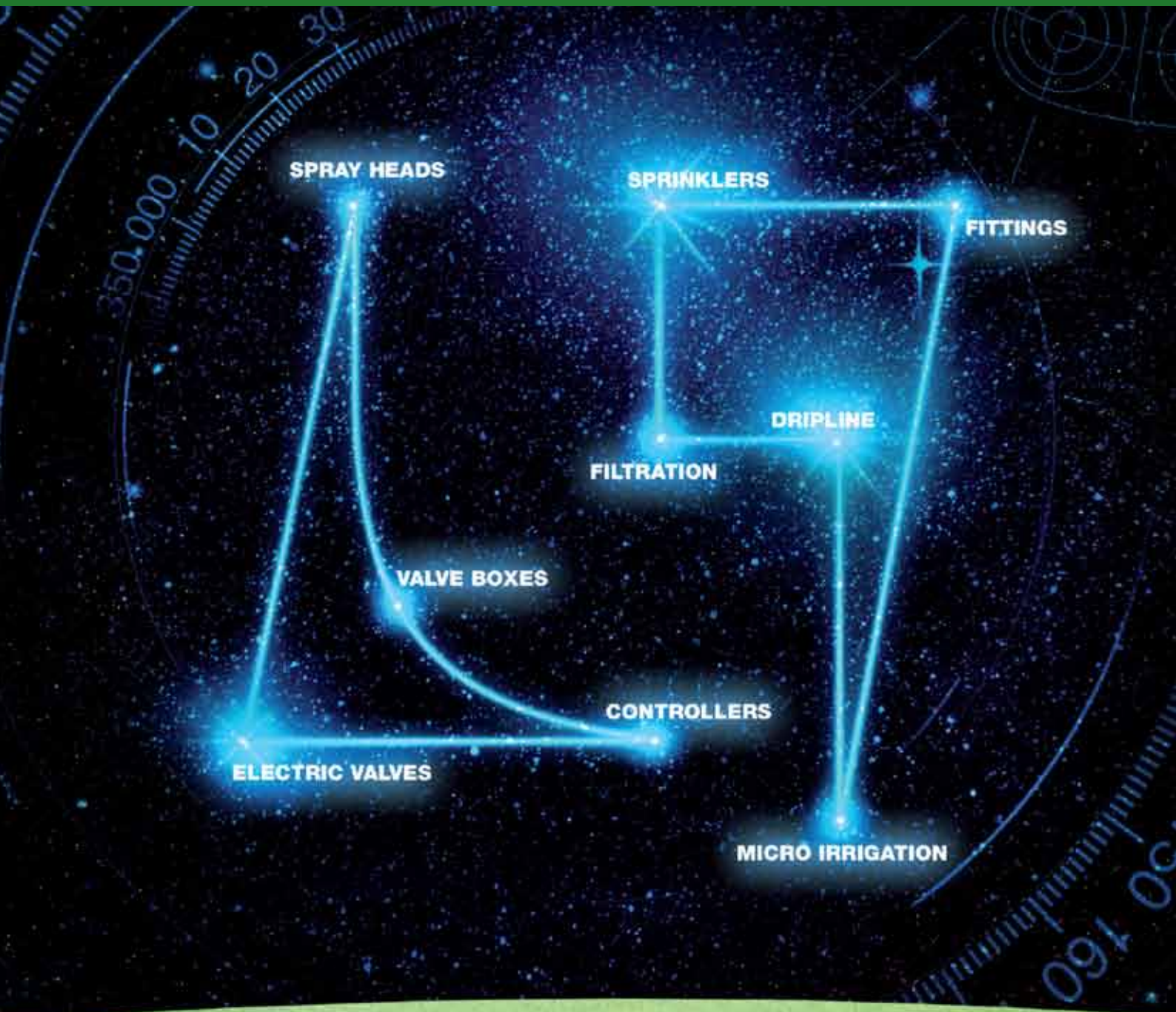
TECHNICAL CATALOGUE
CEPEX IRRIGATION



CEPEX SYSTEM: **ONLY THE BEST**

FLUIDRA
FLUID HANDLING
& IRRIGATION

CEPEX®

CEPEX SYSTEM

Cepex is a brand belonging to Fluidra group, with more than 30 years of experience in the market. Our main objective is to take care of the quality and environment, doing periodic essays and getting the ISO9001 and ISO14001 certificates.

Cepex distributes its products worldwide through the Fluidra sales network and other distributors. In the irrigation market, Cepex is manufacturer for some of the components, and distributor of the rest, providing our customers with complete Systems for turf irrigation. With so many years in the market, Cepex knows well its clients and all the market needs, so we are capable of giving the appropriate products in each case.

With our new range of products Cepex branded, we have selected the latest products in the market to offer the best RESCOM irrigation range. A complete range which lets you offer your costumers a reliable and safe irrigation system and have easily any installation.

Sprinklers, spray heads, electric valves, controllers, valve boxes, fittings, micro irrigation, filtration and dripline: all of them with Cepex guarantee.

And if you need, we can advise you to carry your Project out.

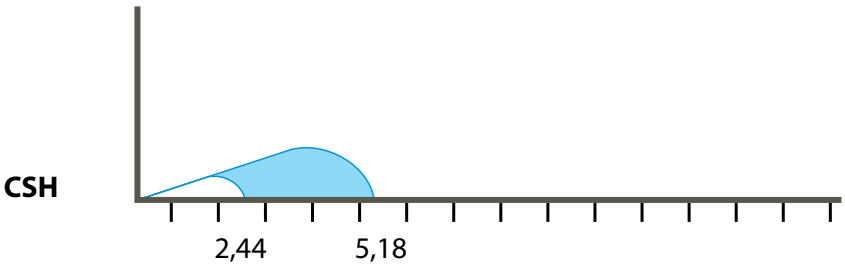
Cepex irrigation system: **A STELLAR RANGE**.

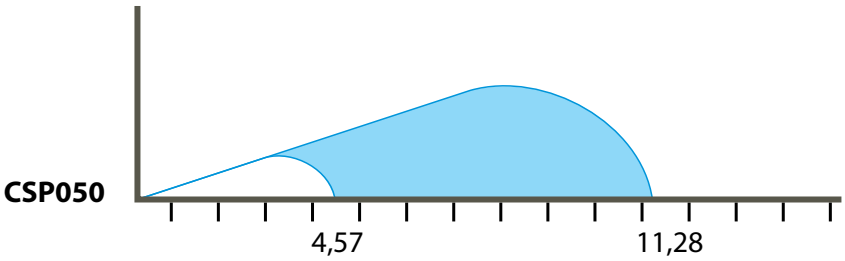
CEPEX®

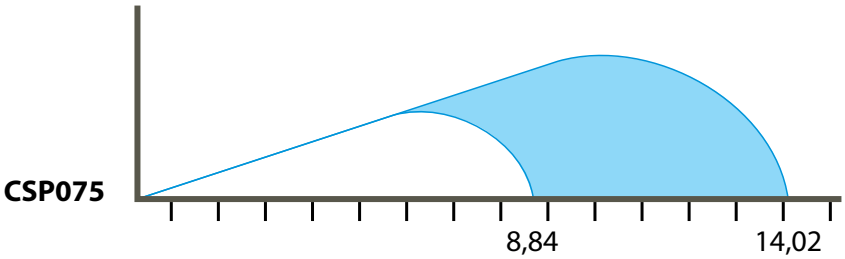
CEPEX IRRIGATION SYSTEMS

COMPARATIVE CHART SPRINKLERS / SPRAY HEADS

MODEL	CSP050	CSP075	CSH
RADIUS (m.)	4,57 - 11,28	8,84 - 14,02	2,44 - 5,18
FLOW (m^3/h)	0,13 - 1,23	0,29 - 2,22	0,03 - 1,48
ARC	40º - 360º	50º - 360º	0º - 360º
NOZZLES	8	12	5
INLET	1/2" H	3/4" H	1/2" H



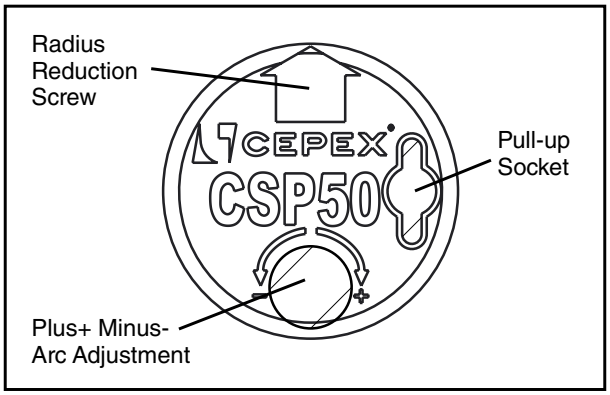




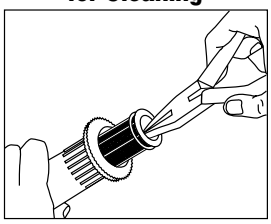
SPRINKLERS
SPRAY HEADS

SPRINKLER CSP050

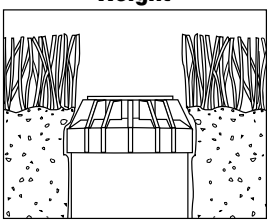
APPLICATION	Residential
RADIUS	4,57 m. - 11,28 m.
FLOW	0,13 m^3/h - 1,23 m^3/h
ARC SETTING	Adjustable from 40º to 360º
TOTAL HEIGHT	18,1 cm
POP UP HEIGHT	10,2 cm.
INLET	1/2" female
NOZZLES	8
NOZZLE RANGE	0.75 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0 / 4.0 / 5.0
FACTORY INSTALLED NOZZLE	2.0
COVER	Grey rubber
ADJUSTMENTS COVER	Radius / Arc
ALINGMENT	Right side
GUARANTEE	2 years
OTHER CHACARCTERISTICS	Water lubricated gear Fast sector check mechanism



Removing Filter Screen for Cleaning



Proper Installation Height



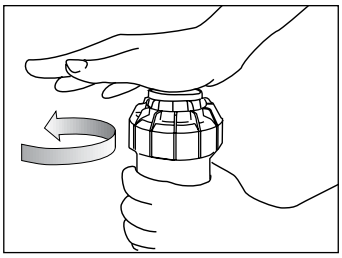
CODE	57189

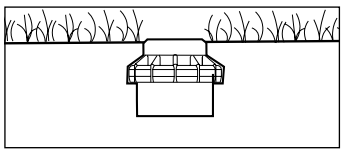
Nozzle performance data

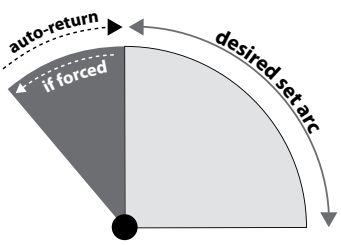
Nozzle	Pressure bar	Radius m.	Flow m3/h	Precip mm/hr ■	Precip mm/hr ▲
	1,7	4,3	0,13	14,0	17,0
	2,0	4,6	0,14	14,0	16,0
	2,5	**4,9**	**0,16**	**13,0**	**15,0**
	3,0	5,2	0,18	13,0	15,0
	3,5	5,2	0,19	14,0	17,0
0.75	3,8	5,5	0,20	13,0	15,0
	1,7	5,2	0,18	13,0	15,0
	2,0	5,5	0,19	13,0	15,0
	2,5	**5,5**	**0,21**	**14,0**	**16,0**
	3,0	5,8	0,23	14,0	16,0
	3,5	5,8	0,24	15,0	17,0
1.0	3,8	6,1	0,25	14,0	16,0
	1,7	6,1	0,27	15,0	17,0
	2,0	6,4	0,29	14,0	16,0
	2,5	**6,4**	**0,32**	**16,0**	**18,0**
	3,0	6,7	0,36	16,0	18,0
	3,5	6,7	0,39	17,0	20,0
1.5	3,8	7,0	0,40	16,0	19,0
	1,7	7,0	0,34	14,0	16,0
	2,0	7,3	0,37	14,0	16,0
	2,5	**7,3**	**0,42**	**16,0**	**18,0**
	3,0	7,6	0,48	17,0	19,0
	3,5	7,6	0,53	18,0	21,0
2.0	3,8	7,9	0,56	18,0	20,0
	1,7	7,9	0,46	15,0	17,0
	2,0	8,2	0,49	14,0	17,0
	2,5	**8,2**	**0,54**	**16,0**	**18,0**
	3,0	8,5	0,59	16,0	19,0
	3,5	8,5	0,63	17,0	20,0
2.5	3,8	8,8	0,65	17,0	19,0
	1,7	8,8	0,51	13,0	15,0
	2,0	9,1	0,56	13,0	15,0
	2,5	**9,1**	**0,64**	**15,0**	**18,0**
	3,0	9,4	0,72	16,0	19,0
	3,5	9,4	0,78	18,0	20,0
3.0	3,8	9,8	0,82	17,0	20,0
	1,7	9,8	0,80	17,0	19,0
	2,0	10,1	0,83	16,0	19,0
	2,5	**10,1**	**0,89**	**18,0**	**20,0**
	3,0	10,4	0,94	17,0	20,0
	3,5	10,4	0,98	18,0	21,0
4.0	3,8	10,7	1,00	18,0	20,0
	1,7	10,7	1,02	18,0	21,0
	2,0	11,0	1,06	18,0	20,0
	2,5	**11,0**	**1,11**	**18,0**	**21,0**
	3,0	11,3	1,17	18,0	21,0
	3,5	11,3	1,21	19,0	22,0
5.0	3,80	11,6	1,23	18,0	21,0

SPRINKLER CSP075

APPLICATION	Residential
RADIUS	8,84 m. - 14,02 m.
FLOW	0,29 m^3/h - 2,22 m^3/h
ARC SETTING	Adjustable from 50º to 360º
TOTAL HEIGHT	18,7 cm
POP UP HEIGHT	10,2 cm.
INLET	3/4" female
NOZZLES	12 (4 Low angle + 8)
NOZZLE RANGE	2.0 LA / 2.5 LA / 3.5 LA 1.5 / 2.0 / 2.5 / 3.0 / 4.0 / 5.0 / 6.0 / 8.0
FACTORY INSTALLED NOZZLE	2.0
COVER	Grey rubber
ADJUSTMENTS COVER	Radius / Arc
ALINGMENT	Right side
GUARANTEE	2 years
OTHER CHACARCTERISTICS	Water lubricated gear Fast sector check mechanism 360º continous Automatic angle return with memory system







CODE	57188

Nozzle performance data

BLUE

Nozzle	Pressure bar	Radius m.	Flow m3/h	Precip mm/hr ■	Precip mm/hr ▲
	2,0	9,1	0,29	7	8
	2,5	9,4	0,32	7	8
	3,0	9,8	0,35	7	9
	3,5	**9,8**	**0,38**	**8**	**9**
	4,0	9,8	0,41	9	10
1.5	4,5	9,4	0,43	10	11
	2,0	10,1	0,35	7	8
	2,5	10,1	0,39	8	9
	3,0	10,4	0,43	8	9
	3,5	**10,4**	**0,47**	**9**	**10**
	4,0	10,4	0,50	9	11
2.0	4,5	10,4	0,53	10	11
	2,0	10,4	0,43	8	9
	2,5	10,7	0,48	8	10
	3,0	10,7	0,54	9	11
	3,5	**10,7**	**0,58**	**10**	**12**
	4,0	10,7	0,62	11	13
2.5	4,5	10,7	0,66	12	13
	2,0	10,7	0,54	10	11
	2,5	11,0	0,61	10	12
	3,0	11,7	0,68	10	12
	3,5	**11,9**	**0,74**	**10**	**12**
	4,0	11,9	0,79	11	13
3.0	4,5	11,9	0,84	12	14
	2,0	11,6	0,73	11	13
	2,5	11,9	0,81	12	13
	3,0	12,2	0,90	12	14
	3,5	**12,2**	**0,97**	**13**	**15**
	4,0	12,5	1,04	13	15
4.0	4,5	12,5	1,10	14	16
	2,0	11,6	0,91	14	16
	2,5	11,9	1,02	15	17
	3,0	12,8	1,14	14	16
	3,5	**12,8**	**1,24**	**15**	**17**
	4,0	12,8	1,32	16	19
5.0	4,5	12,8	1,41	17	20
	2,0	11,9	1,09	15	18
	2,5	12,2	1,22	16	19
	3,0	13,1	1,36	16	18
	3,5	**13,1**	**1,47**	**17**	**20**
	4,0	13,4	1,57	18	20
6.0	4,5	13,4	1,67	19	21
	2,0	11,9	1,46	21	24
	2,5	12,5	1,63	21	24
	3,0	13,4	1,81	20	23
	3,5	**13,7**	**1,95**	**21**	**24**
	4,0	14,0	2,09	21	25
8.0	4,5	14,0	2,22	23	26

LOW ANGLE - GREY

Nozzle	Pressure bar	Radius m.	Flow m3/h	Precip mm/hr ■	Precip mm/hr ▲
	1,7	7,3	0,33	12	14
	2,0	7,6	0,36	12	14
	2,5	7,9	0,40	13	15
	3,0	8,2	0,45	13	15
	3,5	**8,5**	**0,48**	**13**	**15**
	4,0	8,8	0,52	13	15
2,0 LA	4,5	9,1	0,55	13	15
	1,7	7,9	0,44	14	16
	2,0	8,2	0,47	14	16
	2,5	8,8	0,53	14	16
	3,0	9,4	0,59	13	15
	3,5	**10,1**	**0,64**	**13**	**15**
	4,0	10,4	0,68	13	15
2,5 LA	4,5	10,7	0,72	13	15
	1,7	8,5	0,58	16	18
	2,0	8,8	0,62	16	18
	2,5	9,1	0,68	16	19
	3,0	10,1	0,75	15	17
	3,5	**10,7**	**0,80**	**14**	**16**
	4,0	11,0	0,85	14	16
3,5 LA	4,5	11,3	0,89	14	16
	1,7	8,2	0,71	21	24
	2,0	8,8	0,76	19	23
	2,5	9,1	0,84	20	23
	3,0	10,1	0,93	18	21
	3,5	**10,7**	**1,00**	**18**	**20**
	4,0	11,0	1,06	18	20
4,5 LA	4,50	11,3	1,12	18	20

SPRAY HEAD CSH04 / CSH02

APPLICATION	Residential
RADIUS	2,44 m. - 5,18 m. (Cepex CAN nozzles)
FLOW	0,33 m^3/h - 1,48 m^3/h
ARC SETTING	Adjustable from 0º to 360º (Cepex CAN nozzles)
TOTAL HEIGHT	18,4cm (CSH04) / 12,7cm (CSH02)
POP UP HEIGHT	10cm (CSH04) / 5cm (CSH02)
INLET	1/2" female
NOZZLES	Compatible with female thread
NOZZLE RANGE	CAN08 / CAN10 / CAN12 / CAN15 / CAN17
FACTORY INSTALLED NOZZLE	CAN10 / CAN12 / CAN15 / CAN17
ARC ADJUSTMENTS	Without tools
ALIGNMENT	Easy grip top for simple adjustment
GUARANTEE	2 years
OTHER CHARACTERISTICS	Big filtration mesh 2 pieces rattle Male thread top for installation of any female thread nozzle Available with discharge cap (no big filtration mesh included) Easy adjustment by the top Nozzles with color codification for easy identification

CSH04 - DSpray head with discharge cap	**57610**
CSH04 - CAN10 - Spray head with nozzle CAN10	**57190**
CSH04 - CAN12 - Spray head with nozzle CAN12	**57191**
CSH04 - CAN15 - Spray head with nozzle CAN15	**57192**
CSH04 - CAN17 - Spray head with nozzle CAN17	**57611**
CAN8 - Brown adjustable nozzle. Radius 2,4m.	**57195**
CAN10 - Red adjustable nozzle. Radius 3m.	**57196**
CAN12 - Green adjustable nozzle. Radius 3,7m.	**57197**
CAN15 - Black adjustable nozzle. Radius 4,6m.	**57198**
CAN17 - Grey adjustable nozzle. Radius 5,2m.	**57199**
CSH02 - CAN15 - Spray head 6 cm. with nozzle CAN15	**61282**

Nozzles performance data

CAN 8

Adjustable
0º - 360º
Trajectory: 0º
Color code: Brown

2,4 m.

CAN 10

Adjustable:
0º - 360º
Trajectory: 15º
Color code: Red

3 m.

CAN 12

Adjustable:
0º - 360º
Trajectory: 28º
Color code: Green

3,7 m.

Nozzle	Radius (m.)	Flow m3/h	Precip mm/hr		Pressure (bar)	Radius (m.)	Flow m3/h	Precip mm/hr		Radius (m.)	Flow m3/h	Precip mm/hr	
	1,7	0,02	62	72	1,0	2,1	0,04	68	79	2,7	0,05	53	61
	2,1	0,03	51	59	1,5	2,4	0,05	66	76	3,2	0,06	47	55
	2,4	0,03	46	53	2,0	3,0	0,06	49	57	3,7	0,07	42	48
45°	**2,7**	**0,03**	**37**	**43**	**2,1**	**3,3**	**0,06**	**42**	**48**	**4,0**	**0,07**	**36**	**42**
	2,8	0,04	38	44	2,5	3,5	0,06	41	47	4,2	0,08	36	42
	1,7	0,04	62	72	1,0	2,1	0,08	68	79	2,7	0,10	53	61
	2,1	0,06	51	59	1,5	2,4	0,09	66	76	3,2	0,12	47	55
	2,4	0,07	46	53	2,0	3,0	0,11	49	57	3,7	0,14	42	48
90°	**2,7**	**0,07**	**37**	**43**	**2,1**	**3,3**	**0,11**	**42**	**48**	**4,0**	**0,15**	**36**	**42**
	2,8	0,07	38	44	2,5	3,5	0,12	41	47	4,2	0,16	36	42
	1,7	0,06	62	72	1,0	2,1	0,10	68	79	2,7	0,13	53	61
	2,1	0,07	51	59	1,5	2,4	0,13	66	76	3,2	0,16	47	55
	2,4	0,09	46	53	2,0	3,0	0,15	49	57	3,7	0,19	42	48
120°	**2,7**	**0,09**	**37**	**43**	**2,1**	**3,3**	**0,15**	**42**	**48**	**4,0**	**0,19**	**36**	**42**
	2,8	0,10	38	44	2,5	3,5	0,17	41	47	4,2	0,21	36	42
	1,7	0,09	62	72	1,0	2,1	0,15	68	79	2,7	0,19	53	61
	2,1	0,11	51	59	1,5	2,4	0,19	66	76	3,2	0,24	47	55
	2,4	0,13	46	53	2,0	3,0	0,22	49	57	3,7	0,28	42	48
180°	**2,7**	**0,13**	**37**	**43**	**2,1**	**3,3**	**0,23**	**42**	**48**	**4,0**	**0,29**	**36**	**42**
	2,8	0,15	38	44	2,5	3,5	0,25	41	47	4,2	0,32	36	42
	1,7	0,12	62	72	1,0	2,1	0,20	68	79	2,7	0,26	53	61
	2,1	0,15	51	59	1,5	2,4	0,25	66	76	3,2	0,32	47	55
	2,4	0,17	46	53	2,0	3,0	0,29	49	57	3,7	0,38	42	48
240°	**2,7**	**0,18**	**37**	**43**	**2,1**	**3,3**	**0,30**	**42**	**48**	**4,0**	**0,39**	**36**	**42**
	2,8	0,20	38	44	2,5	3,5	0,33	41	47	4,2	0,43	36	42
	1,7	0,13	62	72	1,0	2,1	0,23	68	79	2,7	0,29	53	61
	2,1	0,17	51	59	1,5	2,4	0,28	66	76	3,2	0,36	47	55
	2,4	0,20	46	53	2,0	3,0	0,33	49	57	3,7	0,43	42	48
270°	**2,7**	**0,20**	**37**	**43**	**2,1**	**3,3**	**0,34**	**42**	**48**	**4,0**	**0,44**	**36**	**42**
	2,8	0,22	38	44	2,5	3,5	0,37	41	47	4,2	0,48	36	42
	1,7	0,18	62	72	1,0	2,1	0,30	68	79	2,7	0,39	53	61
	2,1	0,22	51	59	1,5	2,4	0,38	66	76	3,2	0,49	47	55
	2,4	0,26	46	53	2,0	3,0	0,44	49	57	3,7	0,57	42	48
360°	**2,7**	**0,27**	**37**	**43**	**2,1**	**3,3**	**0,45**	**42**	**48**	**4,0**	**0,58**	**36**	**42**
	2,8	0,30	38	44	2,50	3,5	0,50	41	47	4,2	0,64	36	42

CAN 15

Adjustable:
0º - 360º
Trajectory: 28º
Color code: Black

4,6 m.

CAN 17

Adjustable:
0º - 360º
Trajectory: 28º
Color code: Grey

5,2 m.

Nozzle	Radius (m.)	Flow m3/h	Precip mm/hr		Radius (m.)	Flow m3/h	Precip mm/hr	
	3,4	0,07	50	57	4,7	0,09	33	39
	3,9	0,09	47	54	4,9	0,12	38	44
	4,6	0,10	40	46	5,2	0,14	40	46
45°	**4,9**	**0,11**	**36**	**41**	**5,5**	**0,14**	**37**	**42**
	5,2	0,12	35	40	5,7	0,15	38	43
	3,4	0,14	50	57	4,7	0,18	33	39
	3,9	0,18	47	54	4,9	0,23	38	44
	4,6	0,21	40	46	5,2	0,27	40	46
90°	**4,9**	**0,22**	**36**	**41**	**5,5**	**0,28**	**37**	**42**
	5,2	0,24	35	40	5,7	0,31	38	43
	3,4	0,19	50	57	4,7	0,25	33	39
	3,9	0,24	47	54	4,9	0,31	38	44
	4,6	0,28	40	46	5,2	0,36	40	46
120°	**4,9**	**0,29**	**36**	**41**	**5,5**	**0,37**	**37**	**42**
	5,2	0,32	35	40	5,7	0,41	38	43
	3,4	0,29	50	57	4,7	0,37	33	39
	3,9	0,36	47	54	4,9	0,46	38	44
	4,6	0,42	40	46	5,2	0,54	40	46
180°	**4,9**	**0,43**	**36**	**41**	**5,5**	**0,56**	**37**	**42**
	5,2	0,47	35	40	5,7	0,61	38	43
	3,4	0,38	50	57	4,7	0,49	33	39
	3,9	0,48	47	54	4,9	0,62	38	44
	4,6	0,56	40	46	5,2	0,72	40	46
240°	**4,9**	**0,57**	**36**	**41**	**5,5**	**0,74**	**37**	**42**
	5,2	0,63	35	40	5,7	0,82	38	43
	3,4	0,43	50	57	4,7	0,55	33	39
	3,9	0,54	47	54	4,9	0,69	38	44
	4,6	0,63	40	46	5,2	0,81	40	46
270°	**4,9**	**0,65**	**36**	**41**	**5,5**	**0,83**	**37**	**42**
	5,2	0,71	35	40	5,7	0,92	38	43
	3,4	0,57	50	57	4,7	0,74	33	39
	3,9	0,72	47	54	4,9	0,92	38	44
	4,6	0,84	40	46	5,2	1,08	40	46
360°	**4,9**	**0,86**	**36**	**41**	**5,5**	**1,11**	**37**	**42**
	5,2	0,95	35	40	5,7	1,22	38	43


CEPEX
MODEL 5392 2
6-20 VDC
PULSE
SN2021
2"
CEPEX
24VAC 2W
1.7 Watt
SN2021

ELECTRIC VALVES

ELECTRIC VALVES CPV

APPLICATION	Residential, commercial, agriculture
SIZES	¾", 1", 1½", 2", 3" BSP female
OPTIONS	24 VAC / 9 V latch
MINIMUM FLOW	0,5 m^3/h
WORKING PRESSURE	0,7 - 10 bar
MATERIAL	Nylon reinforced
CONTROL	Electric - solenoid 2 ways
FLOW CONTROL	YES
OTHER CHARACTERISTICS	Without pipes or external accessories Compact construction Bolt closing cover Self cleaning hole

3/4" - 1"

1"1/2-2"

3"

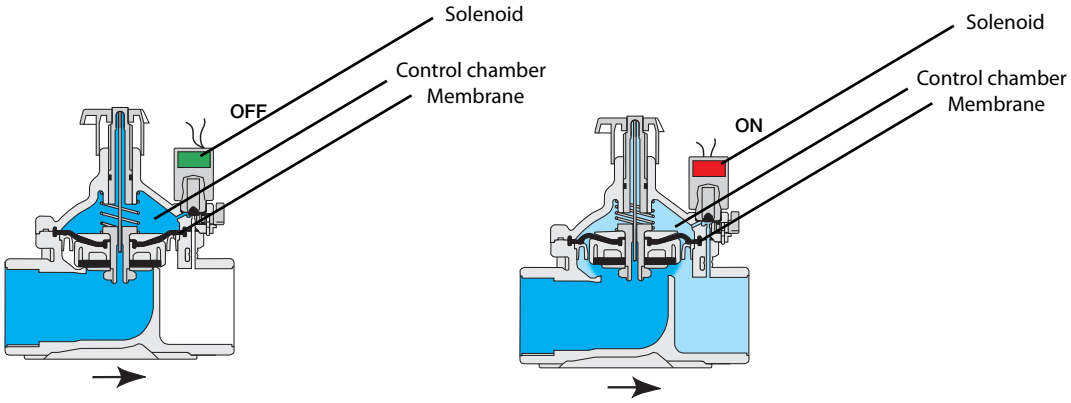
ELECTRIC VALVES 24VAC

CPV2071B - Electric valve 3/4"	**56113**
CPV2101B - Electric valve 1"	**56114**
CPV2151B - Electric valve 1"1/2	**56115**
CPV2201B - Electric valve 2"	**56116**
CPV1300B - Electric valve 3" (no flow control)	**57641**
CPV1301B - Electric valve 3"	**60556**

ELÉCTROVALVULAS 9 V LATCH

CPV2101B9 - Electric valve 1"	**56118**
CPV2151B9 - Electric valve 1"1/2	**56119**
CPV2201B9 - Electric valve 2"	**56120**

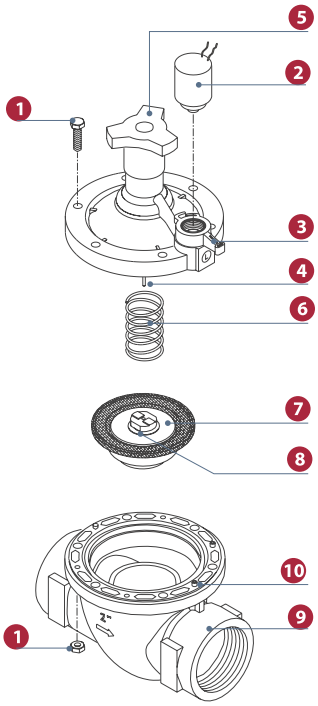
WORKING



Closed Position
The internal restriction continuously allows line pressure into the control chamber. The solenoid controls outflow from the control chamber. When the solenoid is closed it causes pressure to accumulate in the control chamber, therefor forcing the valve to close.

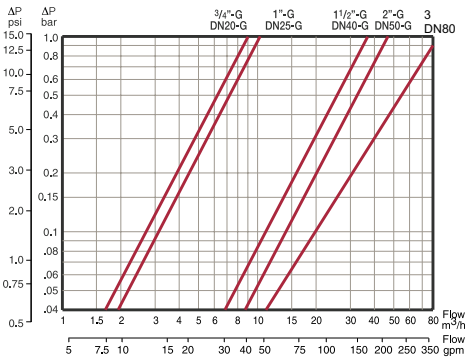
Open Position
Opening the Solenoid releases more flow from the control chamber than the restriction can allow in. This causes the accumulated pressure in the control chamber to drop, enabling the line pressure acting on the plug to the valve.

COMPONENTS



	COMPONENT	MATERIAL
1	Bolts and nuts	Stainless steel
2	Solenoid	
3	Manual override handle	
4	Needle	
5	Flow control	
6	Auxiliary closing spring	Acero inoxidable
7	Diaphragm	NBR
8	Internal restriction	
9	Body	Nylon reinforced
10	Internal control circuit outlet	

FLOW DIAGRAMM



Pressure loss

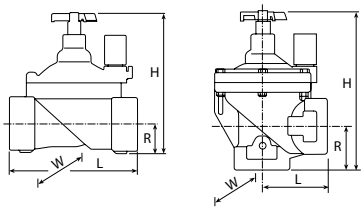
	¾"	1"	1½"	2"	3"
2	0,06	0,04			
3	0,125	0,09			
4	0,2	0,15			
5	0,3	0,25			
6	0,5	0,35			
7	0,7	0,5	0,04		
8	0,8	0,6	0,05		
9	1,0	0,7	0,07	0,04	
10		1,0	0,09	0,05	
15			0,175	0,1	0,06
20			0,3	0,2	0,1
30			0,7	0,4	0,2
40				0,7	0,3
50					0,4

PRESSURE LOSS

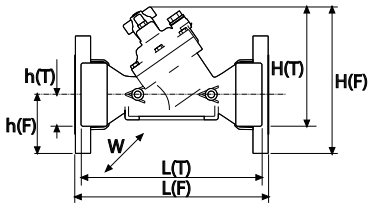
	DN20 - ¾"	DN25 - 1"	DN40 - 1½"	DN50 - 2"	DN80 - 3"
Kv (m3/h)	9	10,5	37	47	100

KV value:
Flow V (water flow) in m3/h in a temperature between 5 to 30 °C, through a velve with a pressure loss of
Δp = p1– p2=1 bar

DIMENSIONS



	DN20	DN25	DN40	DN50
L (mm)	110	110	160	170
H (mm)	115	115	180	190
R (mm)	22	22	35	38
W (mm)	78	78	125	125
Weight (kg.)	0,35	0,33	1,0	1,1



	L (mm)	H (mm)	h (mm)	W (mm)	Weight (kg.)
DN80	298	180	50	190	1,6

CONTROLLERS

TABLA COMPARATIVA PROGRAMADORES

Family	CRC / CPC	CMC	CBC	CLC	CLV	CTA / CTD
Type	Electric controllers - Indoor - Outdoor	Modular controllers	Battery controllers	Compact controllers with electric valve 1"	Compact controllers with electric valve 1" (IP68, with sensor inlet)	Tap controllers: - Analogic - Digital
Stations	4 / 6 / 8	8 expandable to 24 8 modules max.	1 / 2 / 4 / 6	1	1	1
Programs/ startings	3 programs 4 starts / day	3 programs (individual or group) 4 starts / day	1 program 4 starts / day	1 program 4 starts / day	1 program 4 starts / day	1 program 4 starts / day
Programming/ duration	Weekly / cyclic 1'to 4h.	Weekly / cyclic 1'to 9h.	Weekly / cyclic 1'to 12h.	Weekly / cyclic 1'to 12h.	Weekly / cyclic 1'to 12h.	Weekly / cyclic 1'to 4h.

ELECTRIC CONTROLLERS

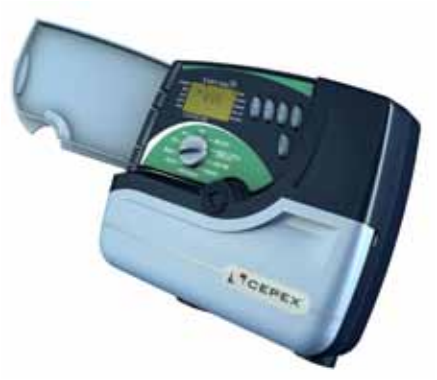
CRC - ELECTRIC CONTROLLERS 220VAC/24 VAC INDOOR

STATIONS	4 / 6 / 8
PROGRAMS	3
STARTINGS	4
PROGRAMMING	Weekly Cyclic (startings every 1-30 days) Even / odd days
DURATION	1 min. - 4 h
TEST	YES
MANUAL STARTING	By valve / program / test
IRRIGATION SENSOR	YES (NC)
WATER BUDGET	10% - 190%
IRRIGATION SUSPENSION	1 - 240 days
MASTER VALVE	YES
OTHER CHARACTERISTICS	Non volatile memory Individual program for other applications External transformer

CRC004 - 4 stations	**56160**
CRC006 - 6 stations	**56161**
CRC008 - 8 stations	**57625**

CPC - ELECTRIC CONTROLLERS 220VAC/24 VAC OUTDOOR

STATIONS	4 / 6 / 8
PROGRAMS	3
STARTINGS	4
PROGRAMMING	Weekly Cyclic (startings every 1-30 days) Even / odd days
DURATION	1 min. - 4 h
TEST	SI
MANUAL STARTING	By valve / program / test
IRRIGATION SENSOR	YES (NC)
WATER BUDGET	10% - 190%
IRRIGATION SUSPENSION	1 - 240 days
MASTER VALVE	YES
OTHER CHARACTERISTICS	Non volatile memory Individual program for other applications Internal transformer



CPC004 - 4 stations	**57626**
CPC006 - 6 stations	**57627**
CPC008 - 8 stations	**57628**

CMC - ELECTRIC CONTROLLERS 220VAC/24 VAC MODULAR

STATIONS	8 expandable to 24
PROGRAMS	3
STARTINGS	4
PROGRAMMING	Weekly Cyclic (stratings every 1-30 days)
DURATION	1 min. - 9 h
TEST	YES
MANUAL STARTING	By valve / Program / Test
IRRIGATION SENSOR	YES (all kind of sensors) (NO)
WATER BUDGET	10% - 190%
IRRIGATION SUSPENSION	1 - 240 days
MASTER VALVE	YES
OTHER CHARACTERISTICS	Expansions plug&play Non volatile memory Individual program for other applications Special program for fertirrigation valves Internal transformer

CMC-08-24	**60190**
CMC-08-module	**60191**

BATTERY CONTROLLERS

CBC - BATTERY CONTROLLER 9V

STATIONS	1 / 2 / 4 / 6
PROGRAMS	3
STARTINGS	4
PROGRAMMING	Weekly Cyclic (stratings every 1-30 days)
DURATION	1 min. - 12 h
TEST	SI
MANUAL STARTING	By valve / Program / Test
IRRIGATION SENSOR	YES (NO)
WATER BUDGET	10% - 190%
IRRIGATION SUSPENSION	1 - 240 days
MASTER VALVE	YES
OTHER CHARACTERISTICS	Water resistant IP68 Non volatile memory Individual program for other applications Works with standard 9V batteries Cyclic program in seconds in the model CBC006

CBC001 - 1 station	**60188**
CBC002 - 2 estations	**57631**
CBC004 - 4 estations	**57632**
CBC006 - 6 estations	**60189**

CLV - BATTERY CONTROLLER 9V, COMPACT WITH ELECTRIC VALVE

STATIONS	1 / 2
PROGRAMS	3
STARTINGS	4
PROGRAMMING	Weekly Cyclic (stratings every 1-30 days)
DURATION	1 min. - 12 h
TEST	YES
MANUAL STARTING	By valve / Program / Test
IRRIGATION SENSOR	YES (NO)
WATER BUDGET	10% - 190%
IRRIGATION SUSPENSION	1 - 240 days
MASTER VALVE	YES
OTHER CHARACTERISTICS	Water resistant IP68 Non volatile memory Individual program for other applications Works with standard 9V batteries Working pressure: 0,7-10bar Program in minutes

CLV100 (Kit 1 valve 1”)	**56162**
CLV200 (Kit 2 valves 1”)	**58747**

CTA -BATTERY CONTROLLER 9V, TAP - ANALOGICAL

STATIONS	1
PROGRAMS	Anlogical with 2 dials
STARTINGS	-
PROGRAMMING	Cyclic (startings 2min-14 days)
DURATION	2min. - 9h
TEST	NO
MANUAL STARTING	YES
IRRIGATION SENSOR	NO
WATER BUDGET	NO
IRRIGATION SUSPENSION	NO
MASTER VALVE	NO
OTHER CHARACTERISTICS	Easy programming For drip or sprinkle Inlet 3/4" female Outlet 3/4" male Working pressure: 0,7-8 Kg/cm^2 Maximum flow: 1,5 m^3/h Water protection IP-53

CTA075	**56158**

CTD - BATTERY CONTROLLERS 9V, TAP - DIGITAL

STATIONS	1
PROGRAMS	1
STARTINGS	4
PROGRAMMING	Weekly Cyclic (stratings every 1-30 days)
DURATION	1 min. - 12 h
TEST	NO
MANUAL STARTING	YES
IRRIGATION SENSOR	NO
WATER BUDGET	NO
IRRIGATION SUSPENSION	YES
MASTER VALVE	NO
OTHER CHARACTERISTICS	For drip or sprinkle Inlet 3/4" female Outlet 3/4" male Working pressure: 0,7-8 Kg/cm^2 Maximum flow: 1,5 m^3/h Water protection IP-53

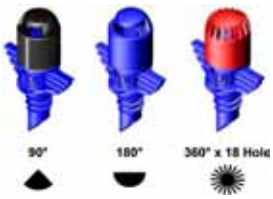
CTD075	**56157**

MICRO IRRIGATION

MICRO IRRIGATION

MICRO SPRAY HEADS

MODEL	90º		180º		360º		Strip	
OUTLET SIZE	0,9 mm		1,2 mm		1,8 mm		1,2 mm	
CODE	56417		56416		56415		56418	
INLET	Thread 10-32 UNF		Thread 10-32 UNF		Thread 10-32 UNF		Thread 10-32 UNF	
PRESSURE (KPa)	FLOW (lph)	RADIUS (m)	FLOW (lph)	RADIUS (m)	FLOW (lph)	DIAM. (m)	FLOW (lph)	DIAM. (m)
50	16	0,9	36	1,0	75	2,1	36	2,2
100	24	1,0	51	1,1	101	2,2	51	2,4
150	29	1,1	63	1,3	123	2,3	63	2,6



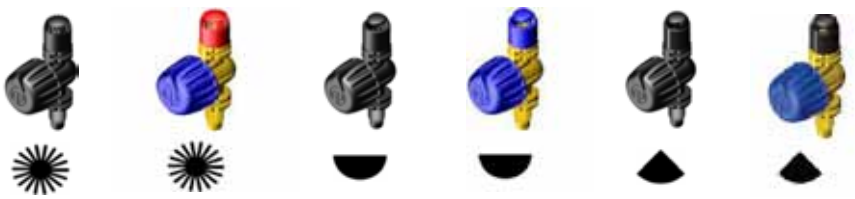
	MODEL		
	90º	180º	360º X 18 holes
CODE	56421	56420	56419
INLET	Thread 10-32 UNF		
PRESSURE(KPa) / FLOW (lph)	RADIUS(m)	RADIUS (m)	DIAM. (m)
50 / 27	1.4	1.5	3.7
100 / 36	2.0	1.8	4.6
150 / 47	2.4	2.0	5.4
200 / 54	2.8	2.2	6.0
250 / 61	3.1	2.4	6.6

MICRO MIST

PRESSURE (KPa)	FLOW (lph)	DIAM. (m)
50	9	0.4
100	13	0.5
150	15	0.5
200	16	0.5
250	18	0.5

CODE	64351
INLET	Thread 10-32 UNF

MICRO SPRAY HEAD ADJUSTABLE



56422 56423 56424 56425 56426 56427

INLET Thread 10-32 UNF	PRESSURE (KPa)	FLOW (lph)	SPRAY PATTERN		
			DIAMETER (m)	RADIUS (m)	
			360° x 18 holes	180°	90°
Adjustable flow. 1,5mm nozzle	50	0 - 54	0 - 5.0	0 - 2,0	0 - 1,5
	100	0 - 77	0 - 5,8	0 - 2,5	0 - 2,1
	150	0 - 94	0 - 6,4	0 - 2,9	0 - 2,6
	200	0 - 105	0 - 7,0	0 - 3,2	0 - 3,0
	250	0 - 119	0 - 7,5	0 - 3,5	0 - 3,3

MICRO SPRINKLERS

			Standard (0,2m. over the ground)		Inverted		Adjustable (0,2m. over the ground)
COLOR	PRESSURE (KPa)	FLOW (lph)	DIAM. (m)	H holes	DIAMETER (0,8m. over the ground)	DIAMETER (2m. over the ground)	DIAMETER (m)
RED 1,5 mm Inverted 56430 Thread 10-32 UNF	100	82			4.4	5.9	
	150	101			4.8	6.5	
	200	117			5.1	7.0	
GREEN 1,3 mm 56429 Thread 10-32 UNF	100	60	6.0	0.4			
	150	74	6.7	0.5			
	200	86	7.2	0.5			
BLACK 1,5 mm Adjustable 56428 Thread 10-32 UNF	100	0 - 77					0 - 6.3
	150	0 - 94					0 - 7.2
	200	0 - 105					0 - 7.9

ADJUSTABLE DRIPPERS

Angle	180º		360º			
					Adjustable	
Pattern	5 streams		8 streams		Umbrella	Vortex
CODE	56443	46444	56441	56442	56449	56447
INLET	Thread 10-32 UNF	Barb 4.5mm	Thread 10-32 UNF	Barb 4.5mm	Barb 4.5mm	Barb 4.5mm

Adjustable to maximum 20 clicks	PRESSURE (KPa)	FLOW (lph)	DIAMETER (m) (8 holes)	DIAMETER (m) (5 holes)
	100	0 - 40	0 - 0,5	0 - 0,38
	150	0 - 50	0 - 0,6	0 - 0,52
	200	0 - 60	0 - 0,8	0 - 0,65

Adjustable dripper 0 – 6 l/h Barb connection 4,5mm	56431
Adjustable dripper spike 0 – 6 l/h Barb connection 4,5mm	56433
PC 4 l/h spike end-line dripper (Black) Barb connection 4,5mm	56439
PC 4 l/h spike in-line dripper (Black) Barb connection 4,5mm	56440

56431 56433 56439 56440

Adjustable to 6 l/h at pressure 100 kPa	PRESSURE (KPa)	FLOW (l/h)
	50	0 - 4,1
	75	0 - 5,1
	100	0 - 6,0
	125	0 - 6,8
	150	0 - 7,5

SELF-COMPENSATING DRIPPERS

Barb connection 4,5mm	NOMINAL FLOW (l/h)	PRESSURE
BROWN 47031	3,2	0,8 - 4,0 Kg./cm²
BROWN 47032	4,1	1,2 - 4,0 Kg./cm²
BROWN 47033	8,5	1,2 - 4,0 Kg./cm²

Barb connection 4,5mm	PRESSURE (m.c.a.)						
	5	10	15	20	25	30	35
RED 56434	1,9	2,0	2,2	2,3	2,3	2,3	2,2
BLACK 56435	3,3	3,8	4,2	4,4	4,4	4,4	4,3
GREEN 56436	6,2	7,9	7,9	8,1	8,0	8,0	7,8

TURBULENT DRIPPER

Standard dripper 2 l/h - Barb connection 4,5mm	56437
Standard dripper 4 l/h - Barb connection 4,5mm	56438

SPIKE SPRAY

Spike heigh	300mm			310mm		
Angle	90º	180º	360º x 18 holes	90º	180º	360º x 18 holes
Valve	SI	SI	SI			
Adjustable				SI	SI	SI
CODE	56453	556452	56451	56454	56455	56456
INLET	Barb connection	Barb connection	Barb connection	Barb connection	Barb connection	Barb connection

			DIAMETER (m)	RADIUS(m)	
	PRESSURE (KPa)	FLOW (lph)	360º x 18 holes	180º	90º
Adjustable flow. 1,5mm nozzle	50	0 - 58	0 - 5.0	0 - 1.9	0 - 1.7
	100	0 - 82	0 - 6.8	0 - 2.3	0 - 2.5
	150	0 - 101	0 - 7.9	0 - 2.7	0 - 2.9
	200	0 - 117	0 - 8.2	0 - 3.0	0 - 3.2
	250	0 - 130	0 - 8.4	0 - 3.3	0 - 3.5

ADJUSTABLE PIKE SPRAY

ÁAngle	360º			180º
Pattern	8 holes	5 holes	Mini bubbler	Vortex
CODE	56445	56446	56448	46450
INLET	Barb connection	Barb connection	Barb connection	Barb connection

	PRESSURE (KPa)	FLOW (lph)	DIAMETER (m) (8 holes)	IAMETER (m) (5 holes)
Adjustable at a maximum of 20 clicks	100	0 - 40	0 - 0,5	0 - 0,38
	150	0 - 50	0 - 0,6	0 - 0,52
	200	0 - 60	0 - 0,8	0 - 0,65

ACCESSORIES MICRO IRRIGATION

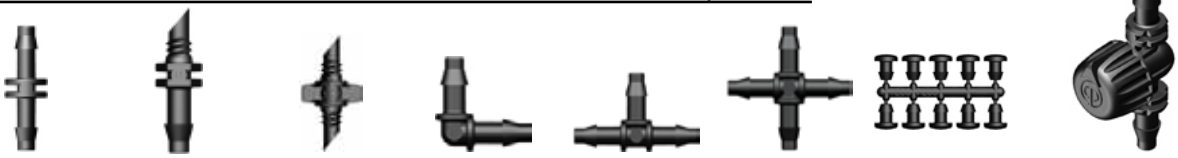
RIGID RISER AND STAKES

	CODE
Rigid Riser 200mm with "FAST" Thread Adaptor	56457
Rigid Riser 300mm with "FAST" Thread Adaptor	56458
Rigid Riser 450mm with "FAST" Thread Adaptor	56459
Stakes 200 mm for rigid riser	56460
Stakes 310 mm for rigid riser	56461

56457 56460
56458 56461
46459

ACCESSORIES 4.5mm

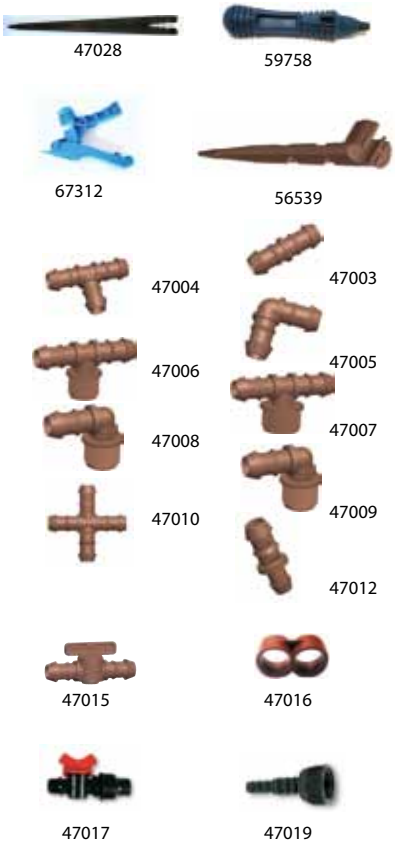
	CODE
Joiner 4.5 mm Barb	56462
Adaptor "FAST" Thread x 4.5 mm Barb	56463
Adaptor "FAST" Thread Winged	56464
Elbow 4.5 mm Barb	56465
Tee 4.5 mm Barb	56466
Cross 4.5 mm Barb	56467
Repair Plugs	56468
Micro Valve 4.5 mm Barb	56469



56462 56463 56464 56465 56466 56467 56468 56469

ACCESSORIES 16mm

	CODE
Ratchet clamp D16 - 18 mm.	56470
Multiple support for micropipe	47028
Punch with extractor	59758
Hole driller	67312
Subjection pick 16mm, brown	56539
Straight connector brown acetal D16	47003
Tee brown acetal D16	47004
90º elbow brown acetal D16	47005
Tee brown acetal D16 x 1/2" M	47006
Tee brown acetal D16 x 3/4" M	47007
90º elbow brown acetal D16 x 1/2" M	47008
90º elbow brown acetal D16 x 3/4" M	47009
Cross brown acetal D16	47010
Offtake connector brown acetal D16 for PE	47012
Mixed connector brown acetal D16 x 1/2" M	47013
Mixed connector brown acetal D16 x 3/4" M	47014
Brown D16 valve barb	47015
End clamp plug D16 brown PE	47016
Lock type valve D16 x 1/2" M black	47017
Screw tap pipe connector (12+16mm) x (1/2" F + 3/4" F) black	47019



47028 59758
67312 56539
47004 47003
47006 47005
47008 47007
47010 47009
47012
47015 47016
47017 47019

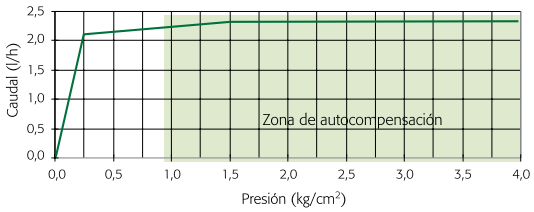
DRIPLINE

CEPEX PC GREEN - DRIPPING PIPE PRESSURE COMPENSATING

	CODE
Dripping pipe pressure compensating D16 2,2l/h 0,35m spacing brown roll 25 m	60760
Dripping pipe pressure compensating D16 2,2l/h 0,35m spacing brown roll 50 m	60762
Dripping pipe pressure compensating D16 2,2l/h 0,35m spacing brown roll 100m	47060
Dripping pipe pressure compensating D16 2,2l/h 0,35m spacing brown roll 200m	47061
Dripping pipe pressure compensating D16 2,2l/h 0,50m spacing brown roll 100m	47063
Dripping pipe pressure compensating 16 2,2l/h 0,35m violet strip roll100 m	47066

Pressure (kg/cm²)	Max. lenght (m.)		
	0,35	0,50	1,00
1,5	75	106	174
2,0	100	130	227
2,5	114	152	257
3,0	127	171	285
3,5	137	183	309
4,0	146	195	330

Data according UNE-68076	CEPEX GREEN PC 2L
Nominal flow (l/h)	2,2
Compensating pressure (kg./cm²)	1,0 - 4,0
Nominal diameter (mm.)	16
Inside diameter (mm.)	13,6
Nominal thickness (mm.)	1,1
Maximum recomended pressure (kg./cm²)	4,0
Recomended filtration	Discs ≤ 130 micron



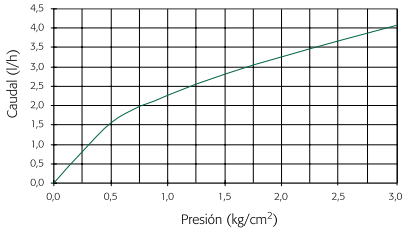
Pressure (kg/cm²)	Flow (l/h)
0,0	0,0
0,5	2,1
1,0	2,2
1,5	2,2
2,0	2,2
2,5	2,2
3,0	2,2
3,5	2,2
4,0	2,1

CEPEX GREEN DRIP - DRIPPING PIPE

	CODE
Dripping pipe D16 2,2l/h 0,35m spacing brown roll 100m	47050
Dripping pipe D16 2,2l/h 0,50m spacing brown roll 100m	47055

Maximum flow variation	Max. lenght (m.)		
	0,35	0,50	1,00
5 %	46	61	100
7,5 %	55	72	119
10 %	61	80	133
12,5 %	66	87	144
15 %	71	93	155

Data according UNE-68076	CEPEX GREEN 2L
Nominal flow (l/h)	2,2
Nominal diameter (mm.)	16
Inside diameter (mm.)	13,6
Nominal thickness (mm.)	1,1
Maximum recomended pressure (kg./cm²)	4
Recomended filtration	≤130 micron



Pressure (kg/cm²)	Flow (l/h)
0,0	0,0
0,5	1,5
1,0	2,2
1,5	2,7
2,0	3,2
2,5	3,6
3,0	4,0

CEPEX GREEN NATURE - PIPE 16mm.

	CODE
Pipe D16 brown roll 25m	47038
Pipe D16 brown roll 50m	47039
Pipe D16 brown roll 100m	47040
Pipe D16 violet strip roll 100m	47043

CEPEX GREEN MICRO - FLEXIBLE PIPE 6x4mm.

	CODE
Pipe 6x4mm brown roll 25m	47046
Pipe 6x4 brown roll 50m	47047

CEPEX BLACK PIPE

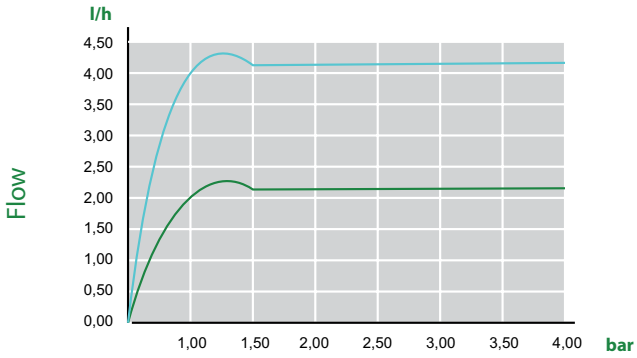
	CODE
PE BD pipe D16 mm black in roll 25m.	37500
PE BD pipe D16 mm black in roll 50m.	37501
PE tandard pipe D16 in roll 100m. thickness 1,1mm	37502
PE standard pipe D16 in roll 400m. thickness 1,2mm	10737
PE standard pipe D20 in roll 300m. thickness 1,3mm	10738

CEPEX PC DRIP - CYLINDRICAL PIPE WITH PRESSURE COMPENSATING DRIPPERS

SIZE (mm)	FLOW (l/h)	SPACING (m)	ROLL (m)	CODE
16	2,2	0,33	400	34853
16	2,2	0,35	100	47088
16	2,2	0,50	400	20312
16	2,2	0,50	100	47089
16	2,2	0,75	400	20313
16	2,2	1,00	400	20314
16	3,5	0,33	400	34858
16	3,5	0,50	400	20315
16	3,5	0,75	400	20316
16	3,5	1,00	400	20317

PCDRIP

	16mm
Nominal flow	2,2 - 4,0
Nominal thickness	1,0
Working pressure	1,0 - 4,0



Maximum lenght

Inlet pressure: 2bar

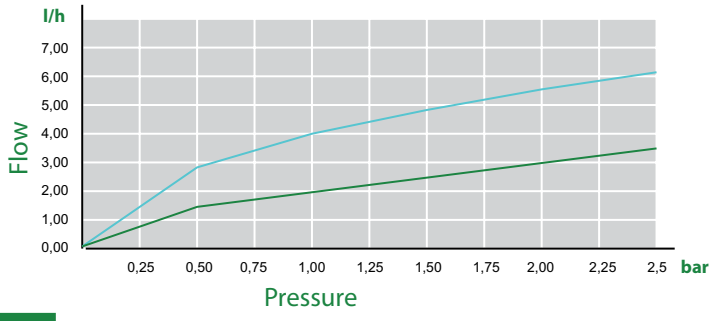
Spacing	0,20 m.	0,30 m.	0,50 m.	0,60 m.	0,75 m.	1,00 m.	1,25 m.	1,50 m.	2,00 m.
16mm - 2,2l/h	61	87	131	152	179	228	262	300	365
16mm - 4,0l/h	42	59	89	102	122	151	178	203	248

CEPEX DRIPLINE - CYLINDRICAL INTEGRAL DRIPLINE

SIZE (mm)	FLOW (l/h)	SPACING (m)	ROLL (m)	CODE
16	2,2	0,33	400	20323
16	2,2	0,35	100	47090
16	2,2	0,40	400	20324
16	2,2	0,50	100	47091
16	2,2	0,50	400	20325
16	2,2	0,75	400	20326
16	2,2	1,00	400	20327
16	4	0,33	400	34882
16	4	0,4	400	34883
16	4	0,5	400	34884
16	4	0,75	400	34886
16	4	1	400	34887

DRIPLINE

	16mm
Nominal flow	2,2 - 4 l/h
Nominal thickness	1,0 mm
Working pressure	2,5 bar



Maximum lenght

Spacing	0,25 m.	0,30 m.	0,40 m.	0,50 m.	0,60 m.	0,75 m.	1,00 m.	1,25 m.
16mm - 2,2l/h	37	43	55	64	74	88	107	125
16mm - 4l/h	26	30	38	45	55	65	75	88

ΔQ% = 5

CEPEX PC FLAT - MULTI-SEASONAL PIPE WITH PRESSURE COMPENSATING BOND-ON EMITTER

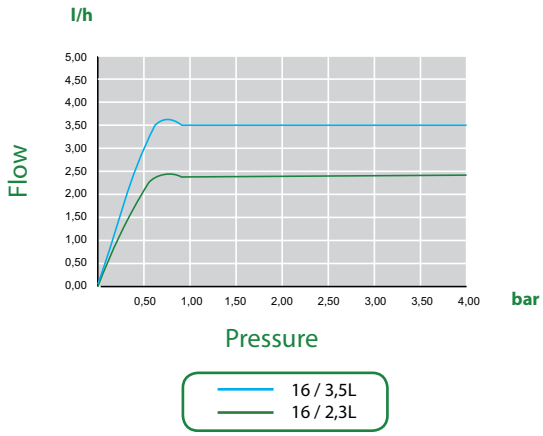
SIZE (mm)	FLOW (l/h)	SPACING (m)	ROLL (m)	CODE
16	2,3	0,33	500	46712
16	2,3	0,50	500	46713
16	2,3	0,75	500	46714
16	2,3	1,00	500	46715
16	3,5	0,33	500	46716
16	3,5	0,50	500	46717
16	3,5	0,75	500	46718
16	3,5	1,00	500	46719

PCFLAT

	16mm
Nominal flow	2,3 - 3,5 l/h
Nominal thickness	1,0 - 1,1 mm
Maximum pressure	4 bar

Maximum lenght

Spacing	0,20 m.	0,25 m.	0,30 m.	0,40 m.	0,50 m.	0,60 m.	0,75 m.	1,00 m.
16mm - 2,3l/h	67	83	98	127	155	182	220	279
16mm - 3,5l/h	52	63	75	97	118	140	168	211



CEPEX FLATLINE - MULTI-SEASONAL PIPE WITH BOND-ON EMITTER

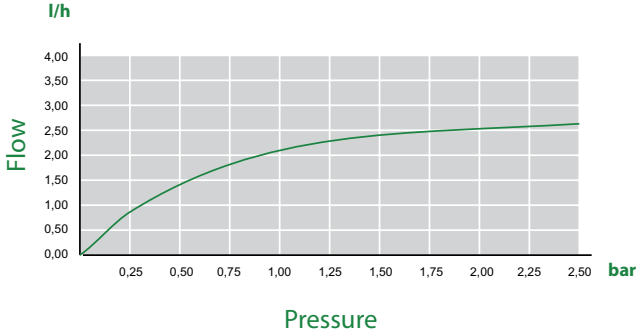
SIZE (mm)	FLOW (l/h)	SPACING (m)	ROLL (m)	CODE
16	2,2	0,33	500	46709
16	2,2	0,40	500	46710
16	2,2	0,50	500	46711

FLATLINE

	16mm
Nominal flow	2,2 l/h
Nominal thickness	0,9-1,0 mm
Maximum pressure	3,0 bar

Maximum lenght

Spacing	0,3 m.	0,4 m.	0,5 m.	0,6 m.	0,75 m.	1,00 m.
16 mm	56	71	84	96	113	138



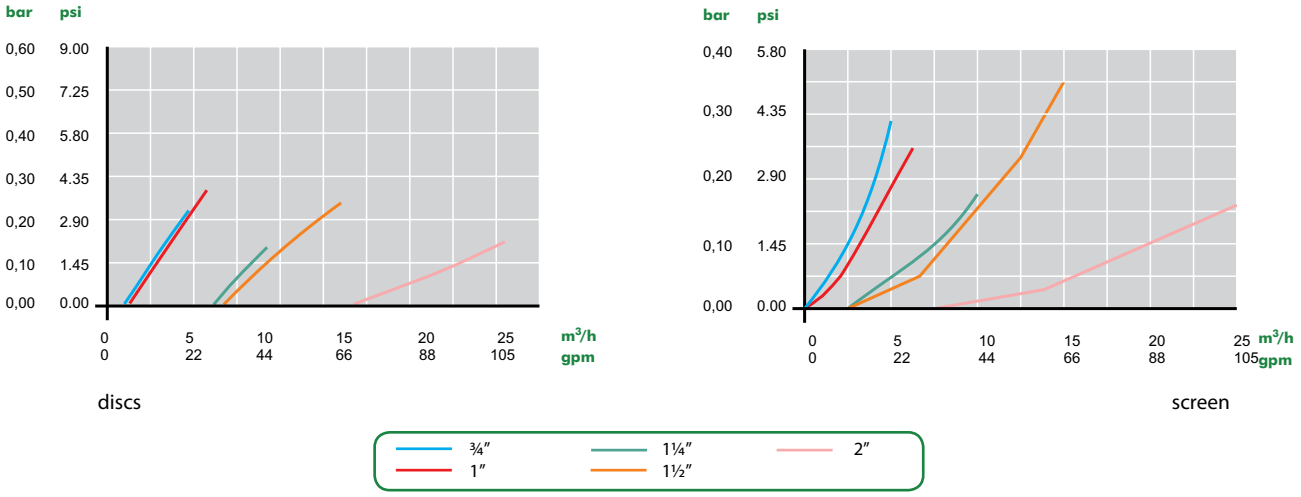
FILTRATION

FILTRATION

LF FILTERS

	Connection	Maximum flow	Filtration surface (disc)	Filtration surface (mesh)	Maximum temperature / pressure
CEPEX MANUAL FILTERS LF	¾"	5 m³/h - 22 gpm	180 cm² - 28 in²	160 cm² - 25 in²	8 bar/116 psi - 60 ºC/140 ºF
	1"	6 m³/h - 26 gpm	180 cm² - 28 in²	160 cm² - 25 in²	8 bar/116 psi - 60 ºC/140 ºF
	1¼"	10 m³/h - 44 gpm	300 cm² - 47 in²	265 cm² - 41 in²	8 bar/116 psi - 60 ºC/140 ºF
	1½"	14 m³/h - 62 gpm	300 cm² - 47 in²	265 cm² - 41 in²	8 bar/116 psi - 60 ºC/140 ºF
	2"	25 m³/h - 110 gpm	525 cm² - 81 in²	485 cm² - 75 in²	8 bar/116 psi - 60 ºC/140 ºF

Pressure loss



MESH FILTERS

	CODE
CEPEX MANUAL FILTER LF 3/4"B SCREEN 130MICRON - Q 5M3/H	34910
CEPEX MANUAL FILTER LF 1"B SCREEN 130 MICRON - Q 6M3/H	34911
CEPEX MANUAL FILTER LF 1 1/4"B SCREEN 130M - Q 10M3/H	04132
CEPEX MANUAL FILTER LF 1 1/2"B SCREEN 130M - Q 14M3/H	04133
CEPEX MANUAL FILTER LF 2"B SCREEN 130 MICRON - Q 25M3/H	34912

DISC FILTERS

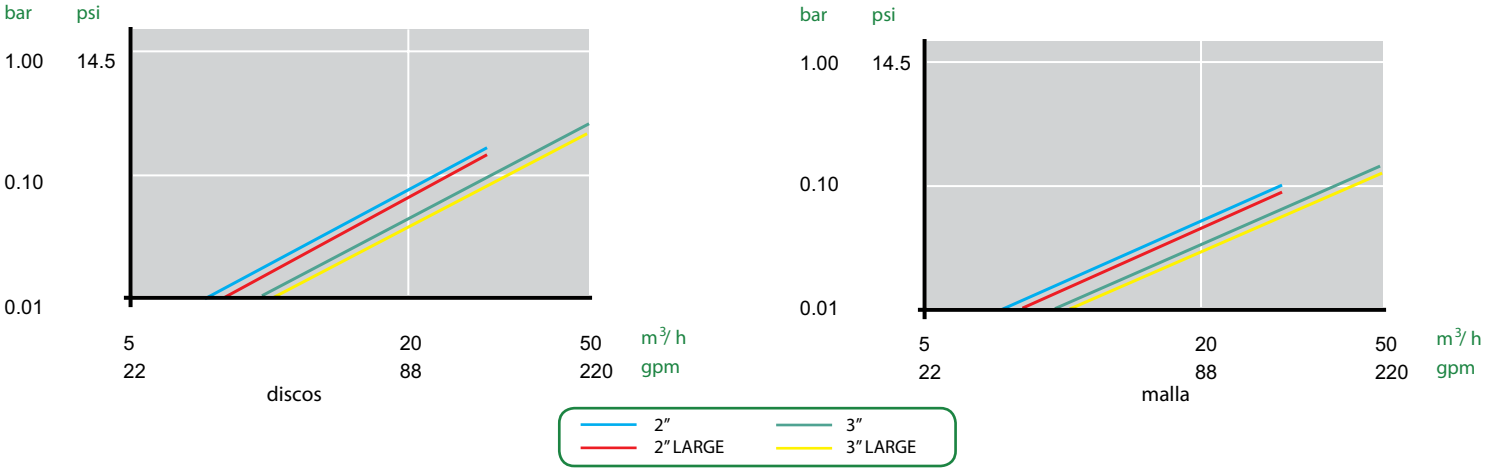
	CODE
CEPEX MANUAL FILTER LF 3/4"B DISCS 130MICRON - Q 5M3/H	09352
CEPEX MANUAL FILTER LF 1"B DISCS 130 MICRON - Q 6M3/H	09353
CEPEX MANUAL FILTER LF 1 1/4"B DISCS 130M - Q 10M3/H	46546
CEPEX MANUAL FILTER LF 1 1/2"B DISCS 130M - Q 14M3/H	19911
CEPEX MANUAL FILTER LF 2"B DISCS 130 MICRON - Q 25M3/H	46547

HFL FILTERS

	Connection	Maximum flow	Filtration surface (disc)	Filtration surface (mesh)	Maximum temperature / pressure
CEPEX MANUAL FILTERS HFL	2"	30 m³/h - 132 gpm	1.050 cm² - 163 in²	650 cm² - 101 in²	6 bar/90 psi - 60 ºC/140 ºF
	2" LARGE	30 m³/h - 132 gpm	1.660 cm² - 257 in²	960 cm² - 149 in²	6 bar/90 psi - 60 ºC/140 ºF
	3"	50 m³/h - 220 gpm	1.050 cm² - 163 in²	650 cm² - 101 in²	6 bar/90 psi - 60 ºC/140 ºF
	3" LARGE	50 m³/h - 220 gpm	1.660 cm² - 257 in²	960 cm² - 149 in²	6 bar/90 psi - 60 ºC/140 ºF

Standard: 130 microns - 8 bar
Ask for other options

Pressure loss



MESH FILTERS

	CODE
CEPEX MANUAL FILTER HFL 2 B SCREEN 130 MICRON 30 M3/H	62271
CEPEX MANUAL FILTER HFL 2LARGE B SCREEN 130M 30M3/H	62273
CEPEX MANUAL FILTER HFL 3 B SCREEN 130 MICRON 50M3/H	62275
CEPEX MANUAL FILTER HFL 3LARGE B SCREEN 130 MICRON 50M3/H	62277

Standard filtration: 130 micras, on order: 100 and 200 micras.

DISC FILTERS

	CODE
CEPEX MANUAL FILTER HFL 2 B DISC 130 MICRON 30M3/H	62270
CEPEX MANUAL FILTER HFL 2LARGE B DISC 130M 30M3/H	62272
CEPEX MANUAL FILTER HFL 3 B DISC 130 MICRON 50 M3/H	62274
CEPEX MANUAL FILTER HFL 3LARGE B DISC 130 MICRON 50 M3/H	62276

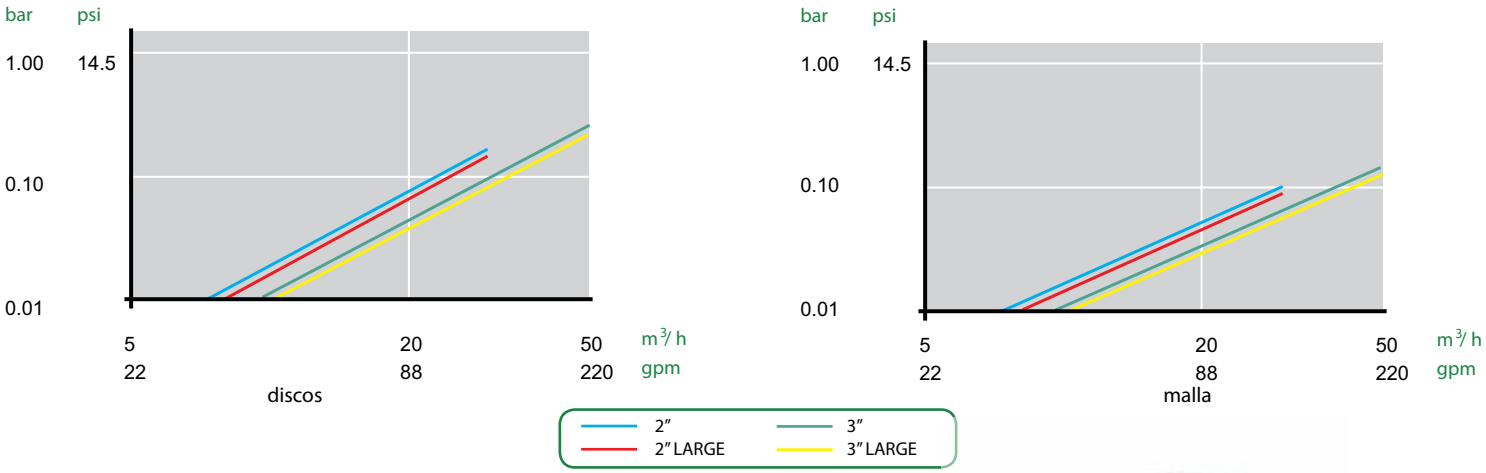
Standard filtration: 130 micras, on order: 100 and 200 micras.

TWISTER FILTERS

	Connection	Maximum flow	Filtraion surface (disc)	Filtration surface (mesh)	Maximum temperature / pressure
CEPEX MANUAL FILTERS HFL	2"	30 m³/h - 132 gpm	1.050 cm² - 163 in²	650 cm² - 101 in²	6 bar/90 psi - 60 ºC/140 ºF
	2" LARGE	30 m³/h - 132 gpm	1.660 cm² - 257 in²	960 cm² - 149 in²	6 bar/90 psi - 60 ºC/140 ºF
	3"	50 m³/h - 220 gpm	1.050 cm² - 163 in²	650 cm² - 101 in²	6 bar/90 psi - 60 ºC/140 ºF
	3" LARGE	50 m³/h - 220 gpm	1.660 cm² - 257 in²	960 cm² - 149 in²	6 bar/90 psi - 60 ºC/140 ºF

Standard: 130 microns - 8 bar
Ask for other options

Pressure loss

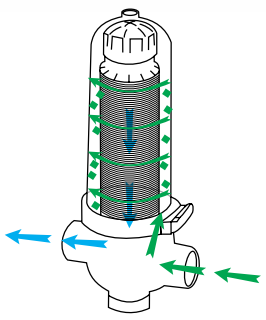


TWISTER

TWISTER SYSTEM

The TWISTER filters help in saving water, lessen the need of cleanings by reducing the number of washes and the amount of water needed for this.

Filtering: when the water enters the filter through the helix, it starts a centrifugal movement that spins the heavy dirt particles against the filter walls, separating them from the filtering material.

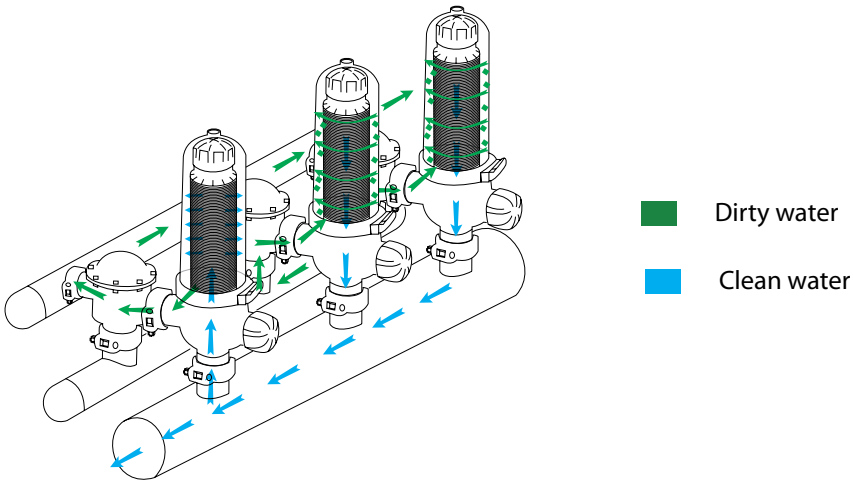


Dirty water Clean water

	CODE
CEPEX TWISTER FILTER HF 2 B DISC 130 MICRON 30 M3/H	20364
CEPEX TWISTER FILTER HF 2LARGE B DISC 130M 30 M3/H	46548
CEPEX TWISTER FILTER HF 3 B DISC 130 MICRON 50 M3/H	57867
CEPEX TWISTER FILTER HF 3LARGE B DISC 130 MICRON 50 M3/H	20365

AUTOMATIC FILTRATION

Cleaning: The backwashing process of the filters is made in only one filter, while the others continue in filtration mode, keeping the battery working all the time.
The backwash is produced when the clean water comes in through the coil filters in the opposite direction to filtration, the discs decompress and the water pushes the dirt towards the outside. The solids are expelled through the drainage output.
During the backwash the flow is provided by the filters that are not being cleaned.
The change from one phase to another occurs through the simultaneous change in position of the hydraulic filter valve.



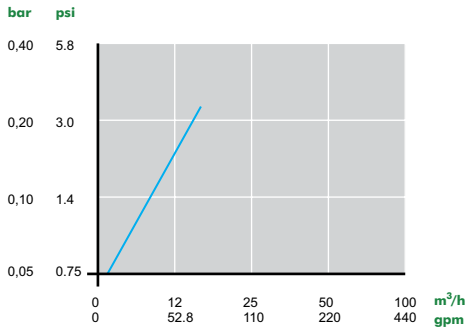
Modularity: all the automatic coils are made with a system that allows different configurations.
Compact: with a reduced size, aids in transport and installation.
Plastic materials: the complete coils have been made in plastic materials (except supports and some closures), to avoid corrosion.

BATTERIES FOR AUTOMATIC FILTRATION

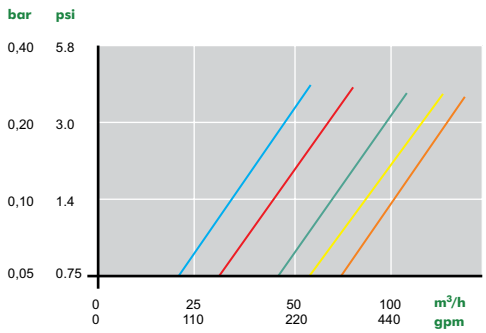
Connection x nº filters	Maximum flow x filter	Minimum backflushing pressure	Minimum backflushing flow	Filtering surface	Maximum temperature / pressure
2″ x 1	20 m³/h - 88 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	1.492 cm² - 231.26 inch²	6 bar/90 psi - 60 ºC/140 ºF
2″ x 2	20 m³/h - 88 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	2.984 cm² - 462.52 inch²	6 bar/90 psi - 60 ºC/140 ºF
2″ x 3	20 m³/h - 88 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	4.476 cm² - 693.78 inch²	6 bar/90 psi - 60 ºC/140 ºF
2″ x 4	20 m³/h - 88 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	5.968 cm² - 925.04 inch²	6 bar/90 psi - 60 ºC/140 ºF
2″ x 5	20 m³/h - 88 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	7.460 cm² - 1156.3 inch²	6 bar/90 psi - 60 ºC/140 ºF
2″ x 6	20 m³/h - 88 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	8.952 cm² - 1387.56 inch²	6 bar/90 psi - 60 ºC/140 ºF
3″ x 2	32 m³/h - 139 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	2.984 cm² - 462.52 inch²	6 bar/90 psi - 60 ºC/140 ºF
3″ x 3	32 m³/h - 139 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	4.476 cm² - 693.78 inch²	6 bar/90 psi - 60 ºC/140 ºF
3″ x 4	32 m³/h - 139 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	5.968 cm² - 925.04 inch²	6 bar/90 psi - 60 ºC/140 ºF
3″ x 5	32 m³/h - 139 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	7.460 cm² - 1156.3 inch²	6 bar/90 psi - 60 ºC/140 ºF
3″ x 6	32 m³/h - 139 gpm	1,5 bar - 20 psi	2,5 l/s - 39 gpm	8.952 cm² - 1387.56 inch²	6 bar/90 psi - 60 ºC/140 ºF
4″ x 4	63 m³/h - 279 gpm	1,5 bar - 20 psi	5 l/s - 78 gpm	11.936 cm² - 1850.08 inch²	6 bar/90 psi - 60 ºC/140 ºF
4″ x 5	63 m³/h - 279 gpm	1,5 bar - 20 psi	5 l/s - 78 gpm	14.920 cm² - 2312.6 inch²	6 bar/90 psi - 60 ºC/140 ºF
4″ x 6	63 m³/h - 279 gpm	1,5 bar - 20 psi	5 l/s - 78 gpm	17.904 cm² - 2775.12 inch²	6 bar/90 psi - 60 ºC/140 ºF
4″ x 7	63 m³/h - 279 gpm	1,5 bar - 20 psi	5 l/s - 78 gpm	20.888 cm² - 3237.64 inch²	6 bar/90 psi - 60 ºC/140 ºF
4″ x 8	63 m³/h - 279 gpm	1,5 bar - 20 psi	5 l/s - 78 gpm	23.872 cm² - 3700.16 inch²	6 bar/90 psi - 60 ºC/140 ºF
4″ x 9	63 m³/h - 279 gpm	1,5 bar - 20 psi	5 l/s - 78 gpm	26.856 cm² - 4162.68 inch²	6 bar/90 psi - 60 ºC/140 ºF
4″ x 10	63 m³/h - 279 gpm	1,5 bar - 20 psi	5 l/s - 78 gpm	29.840 cm² - 4625.2 inch²	6 bar/90 psi - 60 ºC/140 ºF

Standard: 130 microns - 8 bar
Ask for other options

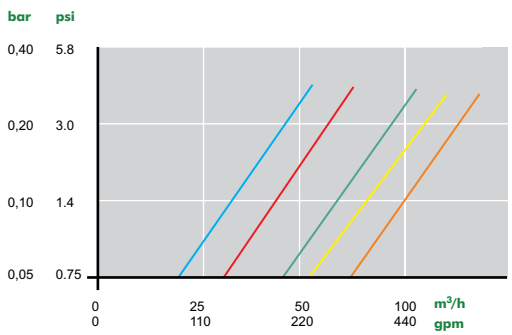
Pressure loss



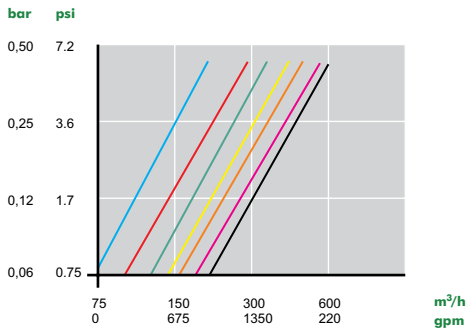
2″ x 1 - 130 micron



2″ x 2 2″ x 4 2″ x 6
2″ x 3 2″ x 5



3″ x 2 3″ x 4 3″ x 6
3″ x 3 3″ x 5



4″ x 4 4″ x 6 4″ x 8 4″ x 10
4″ x 5 4″ x 7 4″ x 9

AUTOMATIC FILTRATION BATTERIES 2”

	CODE
CEPEX AUTOMATIC BATTERY 1x2" 100 MICRON 24 M3/H	47150
CEPEX AUTOMATIC BATTERY 1x2" 130 MICRON 24 M3/H	47151
CEPEX AUTOMATIC BATTERY 2x2" 3V 100 MICRON 48 M3/H	47152
CEPEX AUTOMATIC BATTERY 2x2" 3V 130 MICRON 48 M3/H	47153
CEPEX AUTOMATIC BATTERY 2x2" 3F 130 MICRON Q.MAX 48M3/H - FLANGE D90	46720
CEPEX AUTOMATIC BATTERY 3x2" 4F 130 MICRON Q.MAX 72M3/H - FLANGE D110	46721
CEPEX AUTOMATIC BATTERY 4x2" 6F 130 MICRON Q.MAX 96M3/H - FLANGE D160	46722
CEPEX AUTOMATIC BATTERY 5x2" 6F 130 MICRON Q.MAX 120M3/H - FLANGE D160	46723
CEPEX AUTOMATIC BATTERY 6x2" 6F 130 MICRON Q.MAX 144M3/H - FLANGE D160	46724

Standard filtration: 130 micras, on order: 100 and 200 micras

47150 / 47151

47152/ 47153

46721

AUTOMATIC FILTRATION BATTERIES 3”

	CODE
CEPEX AUTOMATIC BATTERY 2x3" 4F 130 MICRON Q.MAX 64M3/H - FLANGE D110	46725
CEPEX AUTOMATIC BATTERY 3x3" 4F 130 MICRON Q.MAX 96M3/H - FLANGE D110	46726
CEPEX AUTOMATIC BATTERY 4x3" 6F 130 MICRON Q.MAX 128M3/H - FLANGE D160	46727
CEPEX AUTOMATIC BATTERY 5x3" 6F 130 MICRON Q.MAX 160M3/H - FLANGE D160	46728
CEPEX AUTOMATIC BATTERY 6x3" 6F 130 MICRON Q.MAX 160M3/H - FLANGE D160	46729
CEPEX AUTOMATIC BATTERY 6x3" 8F 130 MICRON Q.MAX 192M3/H - FLANGE D200	46730

Standard filtration: 130 micras, on order: 100 and 200 micras

46725

46726

46728

AUTOMATIC FILTRATION BATTERIES 4”

	CODE
CEPEX AUTOMATIC BATTERY 4x4" 8F 130 MICRON Q.MAX 192M3/H - FLANGE D200	46731
CEPEX AUTOMATIC BATTERY 5X4" 8F 130 MICRON Q.MAX 240M3/H - FLANGE D200	46732
CEPEX AUTOMATIC BATTERY 6x4" 10F 130 MICRON Q.MAX 288M3/H - FLANGE D200	46733
CEPEX AUTOMATIC BATTERY 7x4" 10F 130 MICRON Q.MAX 336M3/H - FLANGE D250	46734
CEPEX AUTOMATIC BATTERY 8x4" 10F 130 MICRON Q.MAX 384M3/H - FLANGE D250	46735
CEPEX AUTOMATIC BATTERY 9x4" 12F 130 MICRON Q.MAX 432M3/H - FLANGE D315	46736
CEPEX AUTOMATIC BATTERY 10X4" 12F 130 MICRON Q.MAX 480M3/H - FLANGE D315	46737

Standard filtration: 130 micras, on order: 100 and 200 micras

CONTROLLERS

Description:
The filtration battery controller is made by one only structure with all the necessary elements for an autonomal working of the filtration system.
There is a wide range of control units with voltage AC and DC, which allow an automatation of the different filtering stations or filtration systems.

Complementary information
The control unit incorporate the necessary components to transform the filtration system into a different system completely autonome and automatic:

- Controller: it save all the information, process it and starts the backwashing process of the filters when it is needed.

- Differential pressure gauge: all the control units incorporate a pressure gauge working by pressure difference, it allows the direct reading of the pressure difference in the in-out of the system and the differnce value fixed to start the backwashing process.

- Solenoids: these are controlled by the controller, they send the hydraulic signal for changing to the 3 way valve, sequentially, it means station by station, for the starting of the backwashing process.

- Hydraulic control, connection fittings: it is used for the hydraulic connection of the Control Unit with the Filtration system. All the endings of the micropipes in the control unit are well identified and jointed into a group to make easy and fast the connection with the correspondences in the filtration system.

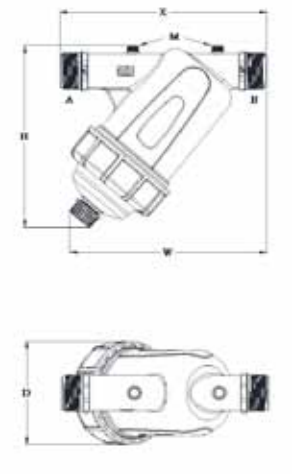
CORRESPONDENCE BETWEEN AUTOMATIC FILTRATION BATTERIES AND CONTROLLERS

	Filters			Controllers	
OUTLETS	Filters 2"	Filters 3"	Filters 4"	220 VAC	12V LATCH
1	47150			58389	58392
	47151				
2	47152	46725		58390	58393
	47153				
	46720				
3	46721	46726		58391	58394
4	46722	46727	46731	60085	58395
5	46723	46728	46732	62030	58396
6	46724	46729	46733		58397
		46730			
7			46734		58398
8			46735		58399
9			46736		58400
10			46737		46750
11					46751
12					46752

DIMENSIONS

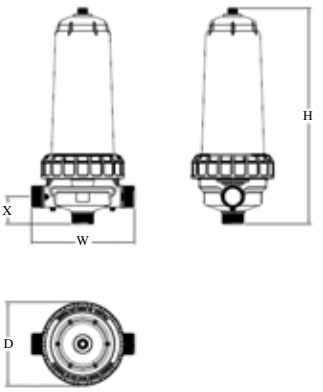
MANUAL FILTERS LF

	H		W		X		D	
	mm	in	mm	in	mm	in	mm	in
3/4"	173	7	185	7	158	6	83	3
1"	173	7	190	7	168	7	133	5
1"1/4	202	8	231	9	231	9	133	5
1"1/2	202	8	231	9	231	9	115	5
2"	248	10	270	11	267	11	144	6



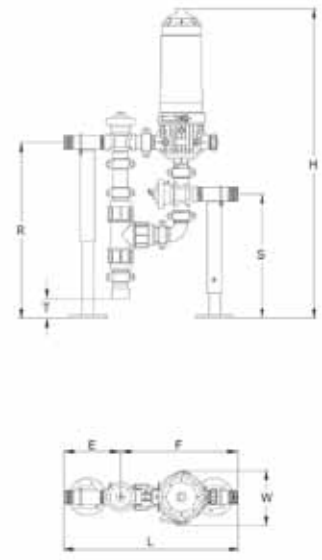
MANUAL FILTERS HFL

	H		W		X		D	
	mm	in	mm	in	mm	in	mm	in
2"	445	17.5	286	11.2	75	3.0	231	9.1
2" LARGE	595	23.4	286	11.2	75	3.0	231	9.1
3"	495	19.5	336	13.2	110	4.3	231	9.1
3" LARGE	645	25.4	336	13.2	110	4.3	231	9.1

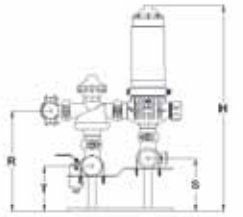


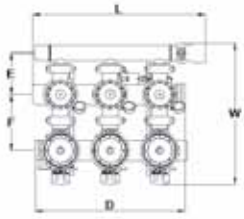
AUTOMATIC FILTERS

	F		E		L		W		R		T		S		S	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
1 X 2"	572	23	270	11	842	33	262	10	894	35	151	12	644	25	1483	58



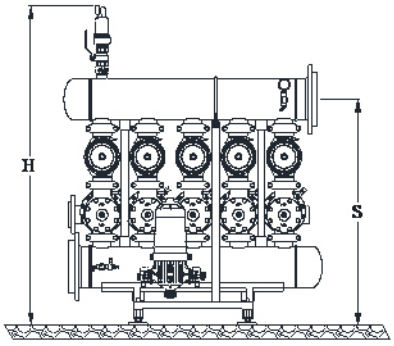
	F	E	D	L	W	R	T	S	H
2 X 2"	272	204	575	698	700	491	257	272	1080
3 X 2"	272	204	830	945	700	511	267	281	1100
4 X 2"	272	204	1065	1220	700	561	292	307	1150
5 X 2"	272	204	1420	1542	700	561	292	307	1150
6 X 2"	272	204	1695	1817	700	561	292	307	1150
2 X 3"	311	230	644	714	785	573	267	309	1162
3 X 3"	311	230	829	956	785	573	267	309	1162
4 X 3"	311	230	1065	1220	785	623	292	334	1212
5 X 3"	311	230	1419	1553	785	623	292	334	1212
6 X 3"	311	230	1694	1828	785	623	292	334	1212
6 X 3"	311	230	1694	1848	785	633	320	355	1257

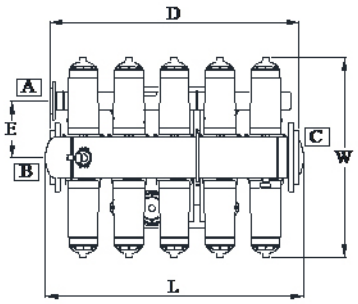


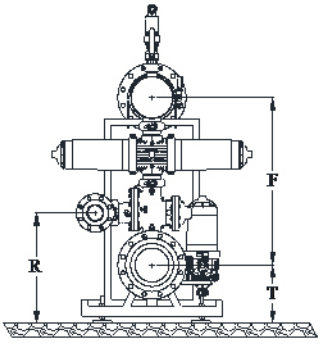


	L		H		T		R		D		S	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
4 x 4"	1305	51	1785	70	645	25	320	12	1195	47	1248	49
5 x 4"	1580	62	1785	70	645	25	320	12	1470	58	1248	49
6 x 4"	1870	73	1890	74	700	27	350	13	1779	70	1328	52
7 x 4"	2145	84	1890	74	700	27	350	13	2054	81	1328	52
8 x 4"	2420	95	1890	74	700	27	350	13	2329	91	1328	52
9 x 4"	2700	106	2025	79	773	30	390	15	2612	102	1433	56
10 x 4"	3110	122	2025	79	773	30	390	15	3024	119	1433	56

W = 1200 mm (47") E = 277 mm (11")







A Collector drenaje / Drainage manifold
B Collector entrada / Inlet manifold
C Collector salida / Outlet manifold

VALVE BOXES

CHARACTERISTICS

- Valve boxes for underground construction or irrigation systems.
- Ideal protection for manually operated valves, electrovalves, watermeters, etc.
- EN124 A15 compliant.
- Allow access to those parts of the installation where easy access for maintenance and control is crucial.
- Smart, lightweight and easy to transport.
- Body in black high-impact strenght polypropylene. Cover in green polypropylene.
- Designed to perform under a variety of outdoor conditions.
- Overlapping covers prevent dirt and grass from settling in between body and cover.
- Factory pierced slots for pipe. Allow fast, trouble-free and cost saving installations.
- Ergonomic slot on body allows for easy cover removal.
- Beveled cover edges help prevent damage to covers from lawn machines.
- Applications in all sorts of canal networks: drinking water distribution, irrigation, spraying, etc.

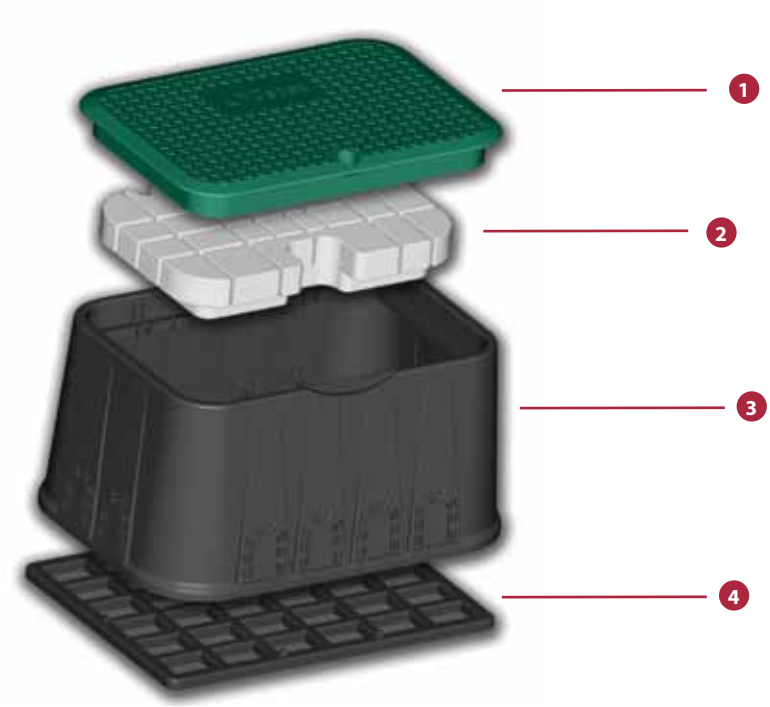
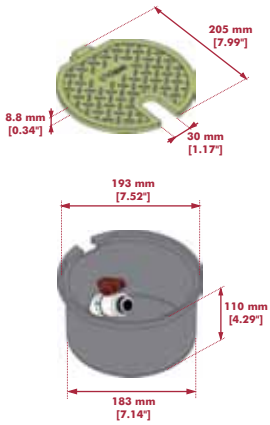


FIG.	Part	Material
1	Cover	PP
2	Anti-frost	Polyuretan
3	Body	PP
4	Base grid	PP

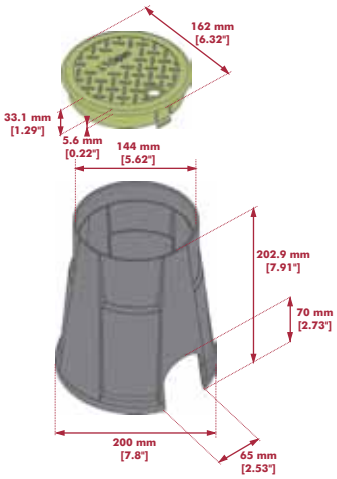
Valve box covers in other colors available upon request.

DIMENSIONS

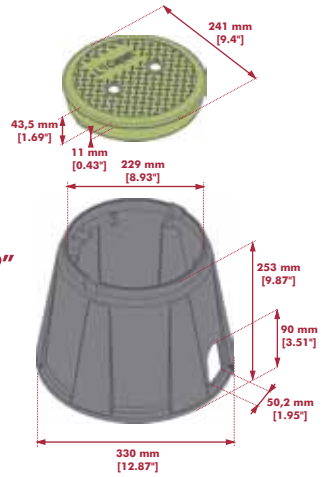
Round Garden (17186)



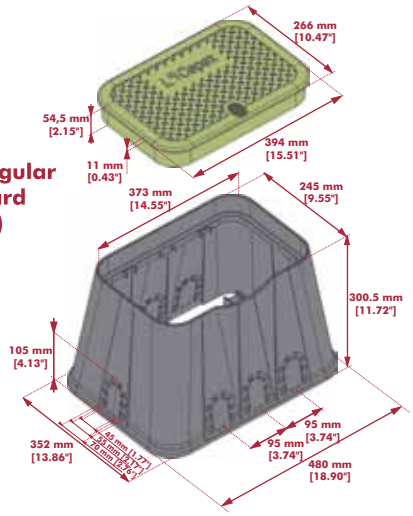
Round 5" (02672)



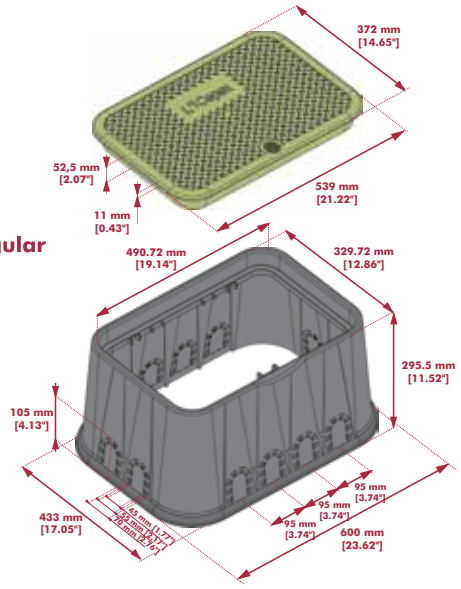
Round 9" (02673)



Rectangular Standard (02674)



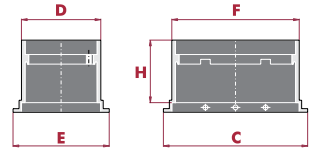
Rectangular Jumbo (02675)



Extensions

Rectangular Standard (02676)

Rectangular Jumbo (07777)



	02676	07777
D	255 mm [10.04"]	380 mm [14.96"]
F	382 mm [15.04"]	500 mm [19.69"]
H	159 mm [6.26"]	160 mm [6.30"]
E	266 mm [10.47"]	384 mm [15.12"]
C	394 mm [15.51"]	552 mm [21.73"]

	CODE
21 x 21 x 11 Circular	17186
16 x 20 x 24 Circular	02672
24 x 33 x 26 Circular	02673
(27 x 39) x (35 x 48) x 31 Rectangular Standard	02674
(43 x 60) x (37 x 54) x 31 Rectangular Jumbo	02675
Extension Rectangular Standard	02676
Extension Rectangular Jumbo	07777
Anti-frost Rectangular Standard	31878
Anti-frost Rectangular Jumbo	31879
Base grid Rectangular Standard	32781
Base grid Rectangular Jumbo	32782
Anti-vandal bolt	34549
Anti-vandal bolt key	34550

ADVANTAGES

Ergonomic slot on body allows for easy cover removal

Factory pierced slots for pipe. Allow fast, trouble-free and cost saving installations

Greater working area, providing unobstructed access to valves

Overlapping covers prevent dirt and grass from settling in between body and cover

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FLUID HANDLING & IRRIGATION

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