Drip line with flat pressure compensating dripper

100% virgin
made in italy

Series:
3316 - 3320 - 3323 - 3325 **PC**
3416 - 3420 - 3423 - 3425 **PC AS**
3516 - 3520 - 3523 - 3525 **PC AS ND**

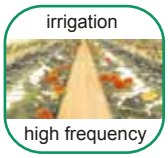
- Made with 100% virgin raw materials
- Suitable for multi-seasonal, sub-irrigation and greenhouse application
- Resistant to UV, acid and common agricultural chemicals

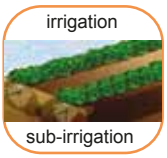
Dripper available in the following styles:

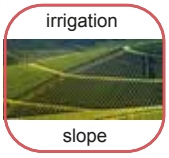
- **pressure-compensating** **PC**
  It keeps the same flow rate at different pressures in all the dripline emitters. Suitable for projects on slope.
- **anti-siphon** **PC AS**
  It avoids the suction of debris during the dripline discharge.Suitable for sub-irrigation and soil laying projects.**Requires the installation of a double-acting vent valve on each sector.**
- **no-drain** **PC AS ND**
  The emitter closes at 0.25 (bar) to avoid water emission at the end of the irrigation cycle and to reduce the dripline filling time to the next irrigation cycle. Suitable for looping irrigation.
- **self-cleaning**
  The anti-deposit silicone membrane and the large maze one guarantee the continuous cleaning of the dripper

Drip line specifications

Nominal diameter	Internal diameter	Outside diameter	Wall thickness		Max pressure
	mm	mm	MIL	mm	Bar
16	13.80	15.60	36	0.90	3.50
		15.80	40	1.00	3.50
		16.00	44	1.10	4.00
		16.20	48	1.20	4.00
20	17.60	19.40	36	0.90	3.00
		19.60	40	1.00	3.50
		19.80	44	1.10	4.00
		20.00	48	1.20	4.00
23	20.80	22.80	40	1.00	3.00
		23.00	44	1.10	3.50
		23.20	48	1.20	4.00
25	22.20	24.60	48	1.20	3.00
		24.80	52	1.30	3.50
		25.00	56	1.40	4.00
		25.20	60	1.50	4.00







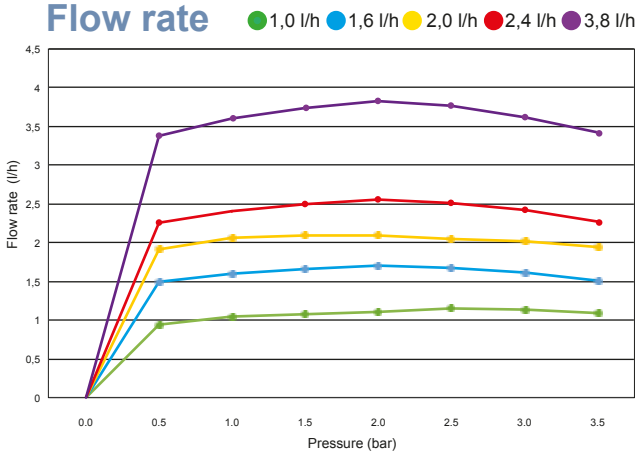
Dripper specifications

Nominal flow rate: (l/h) **1.0 - 1.6 - 2.0 - 2.4 - 3.8**
Standard spacing : (cm) **10 - 15 - 20 - 25 - 30 - 33 - 40 - 50 and more**
Special spacing : groups by request

Wide labyrinth with high turbulence

Silicone membrane undeformable and antisediment

Flow rate



Dripper data

Nominal flow rate		**l/h**	**1,00**	**1,60**	**2,00**	**2,40**	**3,80**
Coefficient of variation CV		%	3,90	3,60	3,80	3,80	3,90
Costante K		bar	1,00	1,60	1,90	2,30	3,60
Exponent		X	0,0	0,0	0,0	0,0	0,0
Maximum working pressure		bar	4,0	4,0	4,0	4,0	4,0
Minimum working pressure		bar	0,5	0,5	0,5	0,5	0,5
Closing pressure*		bar	0,25	0,25	0,25	0,25	0,25
Dripper flow path	Depth	mm	0,76	0,85	0,88	0,90	0,90
	Widht	mm	0,82	1,06	1,08	1,19	1,30
	Length	mm	139	132	93,5	89,6	78,7
Filtration area		mm^2	37,37	37,37	37,37	37,37	37,37
Filtration degree		mesh	150	150	120	120	120
		micron	100	100	130	130	130

* only PC AS ND

Fittings

PE starter drill hole 8 mm	5563	16
	5565	20
PVC starter with grommet	4782	16
	4887	20
	4781	25
Male adaptor	5480	16 X 1/2"
	5481	16 X 3/4"
	5058	20 X 1/2"
	5485	20 X 3/4"
	9044	25 X 1/2"
	9043	25 X 3/4"
Coupling	5083	16 x 16
	5471	20 x 20
	9252	25 x 25

For other fittings see durafitting

Packaging and shipping

Nominal diameter	**16**	**20**	**23**	**25**
reel (m)	500	300	250	200
pallet (reels)	small 10 80x160xh170 cm	small 10 80x160xh170 cm	small 10 80x160xh170 cm	small 10 80x160xh170 cm
	standard 12 80x160xh200 cm	standard 12 80x160xh200 cm	standard 12 80x160xh200 cm	standard 12 80x160xh200 cm
	*maxi 14 80x160xh230 cm	*maxi 14 80x160xh230 cm	*maxi 14 80x160xh230 cm	*maxi 14 80x160xh230 cm
truck **	384	384	384	320
container 20' **	160	160	160	130
container 40' HC **	330	330	330	280

* only full load **bulk

The information contained in this catalog is purely indicative, Aster reserves the right to modify it at any time and in no case can it be held responsible for errors in the data contained in this document.

Maximum recommended length on flat terrain (m) - E.U. 90%

Nominal diameter	Inside diameter (mm)	Flow rate (l/h)	Spacing (cm)													Pressure (bar)
			10	15	20	25	30	33	40	50	60	75	80	90	100	
16	13.80	1.0	67	95	120	144	167	180	208	246	281	332	347	377	406	1.5
			76	108	138	166	191	206	239	283	324	381	399	434	468	2.0
			91	129	164	197	228	246	285	338	386	455	476	518	558	3.0
		1.6	49	69	88	106	122	132	153	181	207	244	255	277	299	1.5
			56	80	101	122	141	151	176	208	238	281	294	319	344	2.0
			67	95	121	145	167	181	210	249	284	335	350	382	411	3.0
		2.0	46	65	82	98	112	121	140	165	188	221	231	251	271	1.5
			53	74	94	112	129	139	161	190	217	254	266	290	311	2.0
			63	88	112	134	154	166	192	227	259	304	318	346	372	3.0
		2.4	37	53	67	81	94	101	117	139	158	187	195	212	229	1.5
			43	61	77	93	108	116	135	160	182	215	225	245	264	2.0
			51	72	92	111	128	138	160	190	218	257	269	293	315	3.0
		3.8	28	39	50	60	70	75	87	103	118	139	146	158	171	1.5
			32	45	57	69	80	86	100	119	136	160	167	182	196	2.0
			38	54	68	82	95	103	119	141	162	191	199	217	234	3.0
20	17.60	1.0	97	139	178	214	248	268	313	372	427	504	529	576	621	1.5
			111	159	204	246	295	308	359	427	490	579	607	661	714	2.0
			131	189	242	292	339	366	427	508	584	690	724	788	851	3.0
		1.6	69	99	127	154	179	193	224	267	307	362	380	414	446	1.5
			80	114	146	177	205	221	258	307	353	416	437	476	514	2.0
			94	136	174	210	244	264	307	366	421	497	521	568	613	3.0
		2.0	66	93	119	143	165	178	206	245	280	330	346	376	405	1.5
			75	107	136	164	190	204	237	281	322	380	398	432	466	2.0
			89	127	162	195	226	243	283	335	384	452	474	516	556	3.0
		2.4	53	76	97	118	136	148	172	205	235	278	291	317	342	1.5
			61	87	112	135	157	169	198	235	270	320	334	364	394	2.0
			72	104	133	161	187	202	235	280	322	381	399	436	470	3.0
		3.8	39	56	72	87	101	110	128	152	175	206	216	236	255	1.5
			45	65	83	100	116	126	146	175	200	237	249	271	293	2.0
			53	77	98	119	138	149	174	208	239	283	297	323	349	3.0

Maximum recommended length on flat terrain (m) - E.U. 90%

Nominal diameter	Inside diameter (mm)	Flow rate (l/h)	Spacing (cm)													Pressure (bar)
			10	15	20	25	30	33	40	50	60	75	80	90	100	
23	20.80	1.0	121	174	224	271	315	341	398	475	547	648	680	742	801	1.5
			138	200	257	311	362	391	457	546	628	744	781	852	920	2.0
			164	237	305	369	430	465	544	649	748	887	930	1015	1097	3.0
		1.6	88	128	164	199	231	250	292	349	402	476	499	545	589	1.5
			101	146	188	228	265	287	336	401	461	547	574	626	677	2.0
			120	174	223	271	315	341	399	477	550	651	684	746	806	3.0
		2.0	83	119	153	184	214	231	269	320	367	433	454	494	533	1.5
			96	137	175	211	245	265	308	367	421	497	522	568	613	2.0
			113	163	209	252	292	315	368	437	502	593	622	678	731	3.0
		2.4	68	98	126	152	177	191	224	268	308	365	383	418	452	1.5
			77	112	144	174	203	220	257	307	353	419	440	481	519	2.0
			92	133	171	207	242	261	306	366	421	500	524	572	619	3.0
		3.8	52	75	97	118	137	148	174	207	239	283	297	324	350	1.5
			59	84	108	132	153	166	194	232	267	317	332	363	392	2.0
			65	93	120	146	170	183	214	257	295	350	367	400	433	3.0
25	22.20	1.0	133	192	247	299	348	377	440	526	607	719	754	823	890	1.5
			152	219	283	342	399	432	506	604	696	826	866	946	1023	2.0
			180	260	336	407	474	513	601	719	829	983	1032	1128	1219	3.0
		1.6	97	140	181	219	255	276	323	387	446	528	554	606	654	1.5
			111	161	207	251	293	317	371	444	512	607	637	696	752	2.0
			132	191	246	298	348	377	441	528	609	723	758	829	896	3.0
		2.0	94	135	173	209	243	262	306	364	419	495	519	565	610	1.5
			108	155	199	240	279	301	351	419	481	569	597	651	702	2.0
			128	184	236	285	332	358	418	499	574	678	711	776	838	3.0
		2.4	74	107	138	168	195	212	248	296	341	405	425	464	502	1.5
			85	123	158	192	224	243	284	340	392	465	488	534	577	2.0
			101	146	188	228	266	288	338	405	467	554	582	635	687	3.0
		3.8	55	79	102	124	144	156	183	219	253	299	314	344	371	1.5
			63	91	117	142	166	179	210	251	290	344	362	395	427	2.0
			74	108	139	169	197	213	250	299	345	410	430	471	509	3.0