

ON-LINE PC BUTTON DRIPPERS

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Heavy Duty Pressure-Compensating (PC) & Compensating Non-Leakage (CNL) on-line Button Dripper

Taper lock outlet

Barb outlet 3/5



APPLICATIONS

- Greenhouses, nurseries, orchards, Vineyards, landscapes and garden plots
- Pulse irrigation and irrigation in soilless conditions
- Prevents surplus drainage in low places (CNL model)

STRUCTURE AND FEATURES

- Heavy Duty range of drippers and accessories in various configurations
- Four dripper design elements minimize clogging:
 1. Protected water inlet
 2. Flushing mechanism of regulating diaphragm
 3. Strong turbulent flow in labyrinth enables continual cleaning and flushing
 4. Large water passages
- Color-coded for identification of discharge and model
- Standard 5 mm tapered outlet for working with connectors or barb outlet for 3/5 tube
- Chemical-resistant, high-grade plastic for precision and durability
- Two models available: PC and CNL (Compensating Non-Leakage)
- Unique "sharp edge" CNL design prevents dirt accumulation and ensures reliable operation under difficult conditions
- 6 different flow rates

TECHNICAL DATA

- Nominal discharge: 1.3, 2.0, 3.0, 4.0, 8.0, 12.0 l/h
- Regulating pressure range: 0.5-4.0 bar
- Very low CV
- Minimum recommended working pressure 1.0 Bar
- Non-Leakage (CNL): - Opening pressure: 8.0 m
- Closing pressure: 3.0 m
- Filtration Recommendation: 130 micron (120 mesh)

COLOR CODE



Maximum recommended lateral length (m) on flat ground*

Dripper flow rate (l/h)	Inlet pressure (m)	16mm ID - 13.4mm KD= 0.4					20mm ID - 17.0mm KD = 0.15				
		Dripper spacing (cm)					Dripper spacing (cm)				
		20	40	60	80	100	20	40	60	80	100
1.3	10	84	132	172	208	240	131	205	279	335	385
	15	107	169	219	264	305	167	260	340	410	474
	20	123	194	252	304	352	205	319	413	498	573
	25	137	215	279	337	389	212	334	433	523	603
	30	148	232	302	364	420	229	360	469	564	653
	35	157	247	322	388	448	244	383	499	602	695
2	10	64	100	130	157	180	125	195	255	306	357
	15	81	127	165	199	230	134	209	271	325	375
	20	91	146	191	230	266	145	227	295	356	412
	25	103	162	211	254	294	160	252	328	394	455
	30	111	172	223	268	310	173	272	353	427	493
	35	119	187	243	293	339	184	290	378	454	525
3	10	49	77	100	120	138	77	119	155	187	215
	15	62	97	127	153	177	97	152	197	238	275
	20	71	113	147	177	204	112	174	228	273	317
	25	79	125	162	195	226	123	192	252	303	350
	30	86	135	175	211	244	132	208	272	328	378
	35	91	143	187	225	260	142	222	289	348	403
4	10	33	51	67	81	91	52	80	104	125	145
	15	41	61	82	99	115	63	98	128	155	179
	20	51	81	105	127	147	81	126	163	197	228
	25	59	91	121	146	169	92	145	188	227	262
	30	66	103	134	162	187	103	160	208	251	290
	35	71	111	145	175	202	111	173	225	272	314
8	10	25	41	51	61	71	40	62	82	98	114
	15	33	51	67	81	91	52	80	104	125	145
	20	38	59	77	91	107	58	93	120	144	168
	25	42	65	85	103	119	65	102	133	160	180
	30	45	71	93	111	129	71	111	142	172	200
	35	49	75	98	119	137	75	117	152	183	212
12	10	19	31	40	48	56	31	47	63	75	87
	15	25	39	51	62	71	39	63	80	96	111
	20	29	45	59	71	83	45	70	91	112	129
	25	32	50	65	79	91	50	78	103	123	142
	30	34	55	71	85	99	54	84	110	133	153
	35	37	58	75	91	105	57	95	118	142	163

* Minimum pressure at lateral end: 0.5 bar for PC and 0.8 bar for CNL drippers
 ** Lateral length exceeding 800 m is not recommended
 *** It is better to restrict pressure losses in the lateral not to exceed 1.5 bar on a flat terrain

ON-LINE PC BUTTON DRIPPERS

J-SC-PC-Plus



Openable Pressure-compensating (PC) on-line button dripper

APPLICATIONS

- Recommended for orchards, fruit crops, vegetables, nurseries & flowers
- Ideal for undulating terrain and steep slopes

STRUCTURE AND FEATURES

- Dripper can be opened to facilitate easy cleaning
- Manufactured from virgin plastic for stable performance
- Silicone rubber diaphragm ensures consistent performance for longer period
- Narrow cross-shaped inlet acts as a filter
- Optional anti-bug cap prevents intrusion of insects
- Self-cleaning design ensures flushing at all times during operation
- Wide operating pressure-compensating range allows longer length of laterals

TECHNICAL DATA

- CV ≤ 5%
- Regulating pressure range: 1.0-3.0 bar
- Filtration requirement: 130 micron, (120 mesh)
Required punch diameter: 2.9 mm

TECHNICAL DATA

Cap color and insert	Discharge (l/h)	Emitter exponent (x)	Flow coefficient (k)
Yellow	2.2	0.04	2.4
Black	4.2	0.03	4.2
Blue	8.2	0.08	7.5

