



**APPLICATIONS**



The POLYTECH CP® (Partially Conductive) hose has been developed for transferring Group II A bipolar solvents, and can be used in different ATEX zones for the external part.

The POLYTECH CC® (Full Conductive) hose is intended for transferring all chemicals, even the most aggressive, in explosion risk zone. It is designed to ensure electrostatic dissipation on the surface and through the hose wall.

**COMPOSITION**



- CP Tube: PFA fluoropolymer inert, ultra-smooth and non-adherent.
- CC Tube: Antistatic PFA fluoropolymer inert, ultra-smooth and non-adherent.
- Reinforcement: textile frame and galvanised steel embedded in the wall.
- External covering: Antistatic EPDM, marbled green/black (CP) and blue/black (CC) (R <10<sup>6</sup>Ω).

**CHARACTERISTICS**



Standard manufacturing length: 20 m.  
Sterilisation: 135°C for 30 min maximum.



+130°C  
-30°C

**STANDARDS**



- CP and CC: FDA 21CFR 177 1550, USP Class VI, Regulation (EU) 10/2011, Regulation (EC) 2023/2006, phthalate free.
- CP: ATEX validation INERIS no.1795-2X/09.
- CC: NF EN 12115 2011, ATEX validation INERIS no.208820 - 2754361 - v1.0 all zones (Gecitech assembly).



**ASSEMBLY POSSIBILITIES**



NRS®



Reference CP	Reference CC	DN		Ø int		Ø ext		Working pressure		Bursting pressure		Bend radius		Vacuum		Weight	
		mm	inch	mm	inch	mm	inch	bar	PSI	bar	PSI	mm	inch	bar	PSI	kg/m	lb/f
45815113CP	45815113CC	13	1/2"	13	0,51	25	0,98	10	145	30	435	135	5,31	-0,9	-13	0,58	0,39
45815116CP	45815116CC	16	5/8"	16	0,63	28	1,10	10	145	30	435	155	6,10	-0,9	-13	0,66	0,44
45815119CP	45815119CC	19	3/4"	19	0,75	31	1,22	10	145	30	435	188	7,40	-0,9	-13	0,78	0,52
45815125CP	45815125CC	25	1"	25	0,98	37	1,46	10	145	30	435	225	8,86	-0,9	-13	0,95	0,64
45815132CP	45815132CC	32	1 1/4"	32	1,26	45	1,77	10	145	30	435	262	10,31	-0,9	-13	1,15	0,77
45815138CP	45815138CC	38	1 1/2"	38	1,50	51	2,01	10	145	30	435	338	13,31	-0,9	-13	1,40	0,94
45815151CP	45815151CC	50	2"	51	2,01	65,5	2,58	10	145	30	435	412	16,22	-0,9	-13	2,00	1,34
45815163CP	45815163CC	63	2 1/2"	63,5	2,48	79,5	3,13	10	145	30	435	450	17,72	-0,9	-13	2,85	1,91
45815176CP	45815176CC	76	3"	76	2,99	92	3,62	10	145	30	435	525	20,67	-0,9	-13	3,36	2,26
458151100CP	458151100CC	100	4"	100	3,94	116	4,57	10	145	30	435	700	27,56	-0,9	-13	5,00	3,36

The above values are given for use at ambient temperature (+/- 20°C) and may vary depending upon conditions of use.  
Dimensional tolerances: contact us.