



## Protectaflex – Dual Contained Hose

**Protectaflex** is the next generation dual containment hose system, offering all the benefits of existing products but in a smaller, lighter, and more manageable format. Due to its lighter weight and reduced packaging, Protectaflex offers a significant reduction in shipping weight, lowering your carbon footprint.

The durable PU outer is UV stable and offers excellent clarity for visual inspection. Inner hoses are available in reinforced PVC, LDPE, TPV and PTFE. Protectaflex has leak detection in the dosing cabinet and/or the POA. System-designed catch-pots are available if required.

### Features & Benefits

- Lower cost (up to 60% cheaper) than traditional hose-in-hose systems.
- Lower shipping and storage costs. Up to 48% lighter than traditional hose-in-hose systems.
- Better flexibility and lower bend radius.
- Easier to handle and easier to install than current dual contained products.
- Fittings can be swaged on, offering a comprehensive coupling, eliminating the risks of clips and the need for expensive bespoke dual contained fittings. Only one standard hose tail fitting required per end.
- Reduced packaging and fully recyclable resulting in a lower carbon footprint.
- System-designed catch-pots which enable the outer containment to be terminated inside the catch-pot.
- Ideal for temporary lines as no catch-pot is required.
- Potential to have a continuous run of inner dosing hose even with a catch-pot.
- In tests the PU outer did not distort when the inner hose burst.

### Protectaflex Inner Hoses & Cover

**RPVC**—Inner hose: Clear reinforced non-phthalate PVC . Temperature range: -20°C to +40°C

**LDPE**— Inner Hose: WRAS approved white VendHose (WRAS No. 1504522). Temperature range: -20°C to +55°C

**TPV**— Thermo Plastic Vulcanizate. Temperature range: -40°C to +110°C

**PTFE**—Inner Hose: PTFE Natural virgin Fluoropolymer. Temperature range: -70°C to +240°C

All covers: Unreinforced, UV stable, non-phthalate, clear PU

## Technical Data

Protectaflex	PF Detect
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Inner Hose Dimensions		PU Outer	PU Cover	BP - Bar	BP - Bar	WP - Bar	WP - Bar
ID Sizes	OD Sizes	Total OD of Hose	Total OD of Hose	RPVC	LDPE	RPVC	LDPE
6.3mm	11.5mm	16.5mm	14.5mm	64	67	16	16.75
10mm	16mm	21mm	19mm	60	56	15	14
12.5mm	18.5mm	23.5mm	20.5mm	60	48	15	12
19mm	26mm	31mm	29mm	40	70	10	17.5
25mm	33mm	38mm	36mm	40	65	10	16.25
32mm	42mm	47mm	45mm	40	55	10	13.75
38mm	48mm	53mm	51mm	40	50	10	12.5
50mm	62mm	67mm	65mm	32	45	8	11.25

Inner Hose Dimensions		PU Outer	PU Cover	Bend Radius	Bend Radius	Bend Radius	Bend Radius
ID Sizes	OD Sizes	Total OD of Hose	Total OD of Hose	RPVC - PF	LDPE - PF	RPVC-TPV - PFD	LDPE - PFD
6.3mm	11.5mm	16.5mm	14.5mm	22	22	45-45	45
10mm	16mm	21mm	19mm	37	37	75-75	75
12.5mm	18.5mm	23.5mm	20.5mm	49	49	98-98	98
19mm	26mm	31mm	29mm	84	84	136-136	136
25mm	33mm	38mm	36mm	118	118	166-166	166
32mm	42mm	47mm	45mm	153	175	192-n/a	219
38mm	48mm	53mm	51mm	210	215	250-n/a	269
50mm	62mm	67mm	65mm	277	315	347-n/a	394

Inner Hose Dimensions		PU Outer	PU Cover	Weight Kg/m	Weight Kg/m	Max Coil
ID Sizes	OD Sizes	Total OD of Hose	Total OD of Hose	RPVC	LDPE	Length - MT
6.3mm	11.5mm	16.5mm	14.5mm	0.23	0.21	500
10mm	16mm	21mm	19mm	0.34	0.29	500
12.5mm	18.5mm	23.5mm	20.5mm	0.39	0.34	500
19mm	26mm	31mm	29mm	0.59	0.51	500
25mm	33mm	38mm	36mm	0.81	0.68	500
32mm	42mm	47mm	45mm	1.15	0.97	500
38mm	48mm	53mm	51mm	1.35	1.14	500
50mm	62mm	67mm	65mm	1.95	1.62	350