



Waterequip Flexible Dual Containment Systems Product Guide 2022

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Waterequip are pleased to announce our new partnership with Copely Developments, who offer a range of unique and quality solutions primarily for the water treatment market. It was Copely who initiated the first Flexible Dual Containment Hose giving double protection for utilities customers requiring increased environmental safety for the conveyance of water and chemicals, which has become the industry standard.

Hydrachem flexible, multi-layered reinforced heavy-duty hoses reduce the need and associated risks of multiple terminations inherent with rigid systems. Installation is easier and safer.

Solutions are offered for all water treatment applications including chemical dosing, filtration, membrane technology and aeration. Other markets that can benefit from our product range include: Water (potable, waste, industrial process), Chemical Processing, Pharmaceutical (production, manufacture, distribution), Mineral Processing plus manufacturing (production cooling lines, water distribution, effluent treatment).

Key Features

- WRAS approved construction – ideal for water treatment plants and sewage works.
- Hydrachem – LDPE lined – for resistance to differing chemicals used by the water industry.
- Easy to install – can be pulled off a reel through ducting in one continuous length.
- Good flow characteristics (mirror-smooth inner) with fewer terminations.
- Extremely durable, yet flexible.
- Abrasion resistant.
- Silicone and Cadmium-free.
- Extruded brilliant white finish to easily identify blemishes.
- Removes the need for catchment pots or alarm systems.
- Liner independently tested in accordance with BS 6920.

Sizes

- 6mm - 50mm ID in lengths up to 1000m

Colours

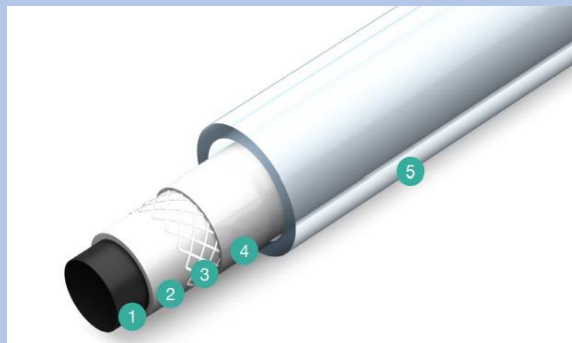
- Brilliant white with Black liner

Inner Hose

1. Low Density WRAS Approved Polyethylene
2. Ethylene Vinyl Acetate
3. Polyester Fiber Reinforcement
4. Ethylene Vinyl Acetate

Containment

5. Phthalate Free PVC



WE-Dual Contained Hose-Flexible

WEDCHLDPE6.3	6.3x12mm/19x25mm LDPE Dual Contained Hose
WEDCHLDPE10	10x16mm/25x31mm LDPE Dual Contained Hose
WEDCHLDPE12.5	12.5x19mm/25x31mm LDPE Dual Contained Hose
WEDCHLDPE19	19x26mm/32x42mm LDPE Dual Contained Hose
WEDCHLDPE25	25x33mm/38x48mm LDPE Dual Contained Hose
WEDCHLDPE31.5	31.5x41mm/50x62mm LDPE Dual Contained Hose
WEDCHLDPE38	38x48.5mm/60x72mm LDPE Dual Contained Hose
WEDCHLDPE50	50x62mm/76x86mm LDPE Dual Contained Hose

WE-Clear PVC Dual Contained Hose - Flexible

WEDCHCPVC6.3	6.3x12mm/19x25mm Clear PVC Dual Contained Hose
WEDCHCPVC10	10x16mm/25x31mm Clear PVC Dual Contained Hose
WEDCHCPVC12.5	12.5x19mm/25x31mm Clear PVC Dual Contained Hose
WEDCHCPVC19	19x26mm/32x42mm Clear PVC Dual Contained Hose
WEDCHCPVC25	25x33mm/38x48mm Clear PVC Dual Contained Hose
WEDCHCPVC31.5	31.5x41mm/50x62mm Clear PVC Dual Contained Hose
WEDCHCPVC38	38x48.5mm/60x72mm Clear PVC Dual Contained Hose
WEDCHCPVC50	50x62mm/76x86mm Clear PVC Dual Contained Hose

Coil Sizes

6.3x12mm/19x25mm	400m, 1800m, 2000m
10x16mm/25x31mm	400m, 1200m, 1250m
12.5x19mm/25x31mm	400m, 1200m, 1250m
19x26mm/32x42mm	200m, 650m, 750m
25x33mm/38x48mm	150m, 500m, 600m
31.5x41mm/50x62mm	80m, 250m, 300m
38x48.5mm/60x72mm	70m, 220m, 250m
50x62mm/76x86mm	70m, 220m, 250m

Can Be Made Or Cut To Your Required Length

Small Drum	450mm Core x 1270mm Flange x 1270mm Traverse
Mid Drum	580mm Core x 1350mm Flange x 1000mm Traverse
Large Drum	450mm Core x 900mm Flange x 762mm Traverse

Accessories

WE-BSPM PVC Hose Tails (Terminates Inner Hose)

WEPVCBSPHTM6.3	6.3mm x ½" BSPM PVC Hose Tail
WEPVCBSPHTM10	10mm X ½" BSPM PVC HOSE TAIL
WEPVCBSPHTM12.5	12.5mm X ½" BSPM PVC HOSE TAIL
WEPVCBSPHTM19	19mm X ¾" BSPM PVC HOSE TAIL
WEPVCBSPHTM25	25mm X 1" BSPM PVC HOSE TAIL
WEPVCBSPHTM31.5	31.5mm X 1¼" BSPM PVC HOSE TAIL
WEPVCBSPHTM38	38mm X 1½" BSPM PVC HOSE TAIL
WEPVCBSPHTM50	50mm X 2" BSPM PVC HOSE TAIL

WE-BSPF PVC Hose Tails (Terminates Inner Hose)

WEPVCBSPHTF6.3	6.3mm x ½" BSPF PVC Hose Tail
WEPVCBSPHTF10	10mm x ½" BSPF PVC Hose Tail
WEPVCBSPHTF12.5	12.5mm x ½" BSPF PVC Hose Tail
WEPVCBSPHTF19	19mm x ¾" BSPF PVC Hose Tail
WEPVCBSPHTF25	25mm x 1" BSPF PVC Hose Tail
WEPVCBSPHTF31.5	31.5mm x 1¼" BSPF PVC Hose Tail
WEPVCBSPHTF38	38mm x 1½" BSPF PVC Hose Tail
WEPVCBSPHTF50	50mm x 2" BSPF PVC Hose Tail

WE-Solvent Weld Hose Tails PVC (Terminates Inner Hose)

WEPVCBSPHT10	10mm X 1/2" Solvent Weld PVC Hose Tail
WEPVCBSPHT12.5	12.5mm X 1/2" Solvent Weld PVC Hose Tail
WEPVCBSPHT19	19mm X 3/4" Solvent Weld PVC Hose Tail
WEPVCBSPHT25	25mm X 1" Solvent Weld PVC Hose Tail
WEPVCBSPHT32	32mm X 1 1/4" Solvent Weld PVC Hose Tail
WEPVCBSPHT38	38mm X 1 1/2" Solvent Weld PVC Hose Tail
WEPVCBSPHT50	50mm X 2" Solvent Weld PVC Hose Tail

WE-Double Connector (Terminates Inner & Outer Hose)

WEPVDC6.3	6.3mm X 19mm X ½" BSPF Double Connector
WEPVDC10	10mm X 25mm X ½" BSPF Double Connector
WEPVDC12.5	12.5mm X 25mm X ½" BSPF Double Connector
WEPVDC19	19mm X 31.5mm X ¾" BSPF Double Connector
WEPVDC25	25mm X 38mm X 1" BSPF Double Connector
WEPVDC31.5	31.5mm X 50mm X 1¼" BSPF Double Connector
WEPVDC38	38mm X 60mm X 1½" BSPF Double Connector
WEPVDC50	50mm X 76mm X 2" BSPF Double Connector

WESWAG10	10mm X 1/2" BSPF Stainless Steel Swage Fitting
WESWAG12	12.5mm X 1/2" BSPF Stainless Steel Swage Fitting
WESWAG19	19mm X 3/4" BSPF Stainless Steel Swage Fitting
WESWAG25	25mm X 1" BSPF Stainless Steel Swage Fitting
WESWAG32	32mm X 1 1/4" BSPF Stainless Steel Swage Fitting
WESWAG38	38mm X 1 1/2" BSPF Stainless Steel Swage Fitting
WESWAG50	50mm X 2" BSPF Stainless Steel Swage Fitting

	Stainless Steel Super Clamps
SSSC1113	Stainless Steel Super Clamp 11-13mm
SSSC1416	Stainless Steel Super Clamp 14-16mm
SSSC1719	Stainless Steel Super Clamp 17-19mm
SSSC2022	Stainless Steel Super Clamp 20-22mm
SSSC2325	Stainless Steel Super Clamp 23-25mm
SSSC2628	Stainless Steel Super Clamp 26-28mm
SSSC2931	Stainless Steel Super Clamp 29-31mm
SSSC3235	Stainless Steel Super Clamp 32-35mm
SSSC3639	Stainless Steel Super Clamp 36-39mm
SSSC4043	Stainless Steel Super Clamp 40-43mm
SSSC4447	Stainless Steel Super Clamp 44-47mm
SSSC4851	Stainless Steel Super Clamp 48-51mm
SSSC6063	Stainless Steel Super Clamp 60-63mm
SSSC6467	Stainless Steel Super Clamp 64-67mm
SSSC6873	Stainless Steel Super Clamp 68-73mm
SSSC7479	Stainless Steel Super Clamp 74-79mm
SSSC8691	Stainless Steel Super Clamp 86-91mm



Copely Developments Limited

CHEMICAL RESISTANCE CHART

Oct-12

CHEMICAL	% Aqueous solution CONCENTRATION	Hydrachem		Life Expectancy
		20°C	60°C	
Acetic Acid	10%	✓	✓	A
Aluminium Chloride	Saturation	✓	✓	A
Aluminium Sulphate	Saturation	✓	✓	A
Ammonia	any	✓	✓	A
Ammonium Salts	Saturation	✓	✓	A
Ammonium Sulphate	Saturation	✓	✓	A
Calcium Carbonate	Saturation	✓	✓	A
Calcium Hydroxide(Lime)	Saturation	✓	✓	A
Calcium Nitrate (Nutriox)	50%	✓	✓	A
Calcium Oxide	Saturation	✓	✓	A
Chlorine	2%	✓	X	C
Citric Acid	Saturation	✓	✓	A
Ferric Chloride	Saturation	✓	✓	A
Ferric Sulphate	Saturation	✓	✓	A
Ferric Sulphate & Ferric Nitrate Mix	Saturation	✓	✓	A
Ferrous Chloride	Saturation	✓	✓	A
Ferrous Sulphate Heptahydrate	Saturation	✓	✓	A
Fluorosilicic Acid	Saturation	✓	✓	B
Hexafluorosilicic Acid H2SiF6	Saturation	✓	✓	B
Hydrochloric Acid	any	✓	✓	B
Hydrogen Peroxide	30%	X	X	C
Mono Sodium Phosphate	Saturation	✓	✓	A
Nitric Acid	25%	✓	✓	B
Orthophosphoric Acid	62%	✓		B
Oxygen		✓	✓	A
Ozone		X	X	C
Phosphoric Acid	50%	✓	X	B
Poly Aluminium Chloride	Saturation	✓	X	B
Polyelectrolytes	Saturation	✓	✓	A
Sodium Acetate	any	✓	✓	A
Sodium Bisulphite	any	✓	✓	A
Sodium Bisulphide	Saturation	✓	✓	A
Sodium Carbonate (Washing Soda)	any	✓	✓	A
Sodium Hydroxide (Caustic Soda)	Saturation	✓	✓	A
Sodium Hypochlorite (Bleaching Agent)	20%	✓	X	B
Sodium Orthophosphate	Saturation	✓		A
Sodium Thiosulphate	Saturation	✓	✓	A
Sulphur Dioxide	any	✓	✓	A
Sulphuric Acid	50%	✓	✓	A
Sulphuric Acid	95% (* 98%)	✓	X	C
Urea	33%	✓	✓	A

? = NO DATA / UNLIKELY TO HAVE AN AFFECT

P = LITTLE OR NO AFFECT

X = NOT RESISTANT

* = resistant under some conditions - swelling 3% to 8% or weight loss 0.5% to 5% and/or elongation at break decrease by < 50%

Liner material - coex LDPE & EVA

A = possible > 15 years life

B = possible 5-10 years life.

C = possible < 5 years life

)

) Assuming 20°C and the concentration given in column B

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Our technical advice – whether verbal, in writing or by way of trials – is given in good faith but without warranty, and this also applies where propriety rights or third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control, and therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will of course, provide consistent quality of our products within the scope of our General Conditions of Sales and Delivery.

CODEFLEX AQUACHEM FLEXIBLE DUAL CONTAINMENT HOSE. 10 BAR RATED. WATER TREATMENT
WRAS APPROVAL NUMBER 9912054

New Product	Metric	Size	Metric	Size	Weight Per Metre	MANUFACTURING TOLERANCES							
						A. CHEMICAL				B. CONTAINMENT			
Ref	I.D.	O.D.	Metric	O.D.	Metre	MIN I.D.	MAX I.D.	MIN O.D.	MAX O.D.	MIN I.D.	MAX I.D.	MIN O.D.	MAX O.D.
PHR06/C19/WQCL1/D/CD	6.3	12	0.24	12	6.350	6.553	11.988	12.319	18.795	19.303	24.637	24.993	
PHR10/C25/WQCL1/D/CD	19	25	0.35	25	9.906	10.058	15.900	16.052	24.739	25.247	30.606	30.987	
PHR12/C25/WQCL1/D/CD	25	31	0.40	31	12.573	12.826	18.922	19.176	24.739	25.247	30.606	30.987	
PHR19/C325/WQCL1/D/CD	19	26	0.56	26	18.922	19.303	25.399	25.907	31.622	32.384	41.477	41.985	
PHR25/C385/WQCL1/D/CD	25	33	0.89	33	24.840	25.145	32.765	33.273	37.718	38.479	47.496	48.004	
PHR32/C606/WQCL1/D/CD	38	48	1.50	48	31.241	31.698	40.791	41.908	49.325	50.595	61.491	61.999	
PHR38/C606/WQCL1/D/CD	38	48.5	2.56	48.5	37.870	38.124	48.360	48.614	59.002	61.008	70.000	72.006	
PHR50/C75/WQCL1/D/CD	50	61.6	3.31	61.6	49.000	51.000	60.400	62.800	73.500	76.500	84.500	87.700	

CODEFLEX HYDROCHEM FLEXIBLE DUAL CONTAINMENT HOSE. 10 BAR RATED. WATER TREATMENT
WRAS APPROVAL NUMBER 9912052

New Product	Metric	Size	Metric	Size	Weight Per Metre	MANUFACTURING TOLERANCES							
						A. CHEMICAL				B. CONTAINMENT			
Ref	I.D.	O.D.	Metric	O.D.	Metre	MIN I.D.	MAX I.D.	MIN O.D.	MAX O.D.	MIN I.D.	MAX I.D.	MIN O.D.	MAX O.D.
ECV06/C19/WQCL1/D/CD	6.3	12	0.23	12	6.350	6.553	11.988	12.319	18.795	19.303	24.637	24.993	
ECV10/C25/WQCL1/D/CD	19	25	0.32	25	9.906	10.058	16.001	16.255	24.739	25.247	30.606	30.987	
ECV12/C25/WQCL1/D/CD	25	31	0.36	31	12.573	12.826	18.922	19.176	24.739	25.247	30.606	30.987	
ECV19/C32/WQCL1/D/CD	19	26	0.44	26	18.922	19.303	25.399	25.907	31.622	32.384	41.477	41.985	
ECV25/C38/WQCL1/D/CD	25	33	0.79	33	24.739	25.145	32.765	33.273	37.718	38.479	47.496	48.004	
ECV32/C50/WQCL1/D/CD	31.5	41	1.34	41	31.241	31.698	40.791	41.908	49.325	50.595	61.491	61.999	
ECV38/C60/WQCL1/D/CD	38	48.5	2.30	48.5	37.870	38.124	48.360	48.614	59.002	61.008	70.000	72.006	
ECV50/C75/WQCL1/D/CD	50	61.6	3.01	61.6	49.000	51.000	60.400	62.800	73.500	76.500	84.500	87.700	

MINIMUM MANUFACTURING RUNS APPLICABLE
 COLOUR: White Inner Tube / Clear/ Blue Tint Outer Cover
 LENGTHS: 100 Metres - 300 Metres
 Supplied On Wooden Drums; Size / Surcharge Subject To Quantities.