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PRODUCT Catalogue



INDEX

Page 3 - 5	Underground Systems
Page 6	REDI Large Bore Fittings
Page 7 - 8	Soil and Vent Systems
Page 9 - 11	Waste Systems
Page 12	Accessories
Page 13	Shower Traps
Page 14	Latco Pressure Control & Relief Valves
Page 15 - 19	Pro-Fit Hot and Cold Water System
Page 20	Hydroponic Profiles
Page 21	Gutta-Buddy Rain Water Harvesting
Page 22 - 23	VYNADEEP® Gutter System
Page 24 - 25	Streamline Double-Flo® Gutter System
Page 26	MEGAFLEX® Garden & Dragline Hoses
Page 27	E-spec® Garden & Dragline Hoses
Page 28	MEGAFLEX® Industrial Hoses
Page 29	Endura Grease Traps
Page 30	Magnum Saddles
Page 31 - 34	Marley Compression Fittings
Page 35	Small Bore HDPE Pipes
Page 36 - 37	HDPE Corrugated Slotted Drainage & Cable Duct Pipes

about

MARLEY PIPE SYSTEMS

Marley Pipe Systems is a part of the Aliaxis group, a privately owned business based in Belgium active worldwide in more than 40 countries and comprises over 100 companies. Marley is widely regarded in Southern Africa as a reputable provider of fluid handling solutions, offering an extensive range of pipes, fittings, and associated products.

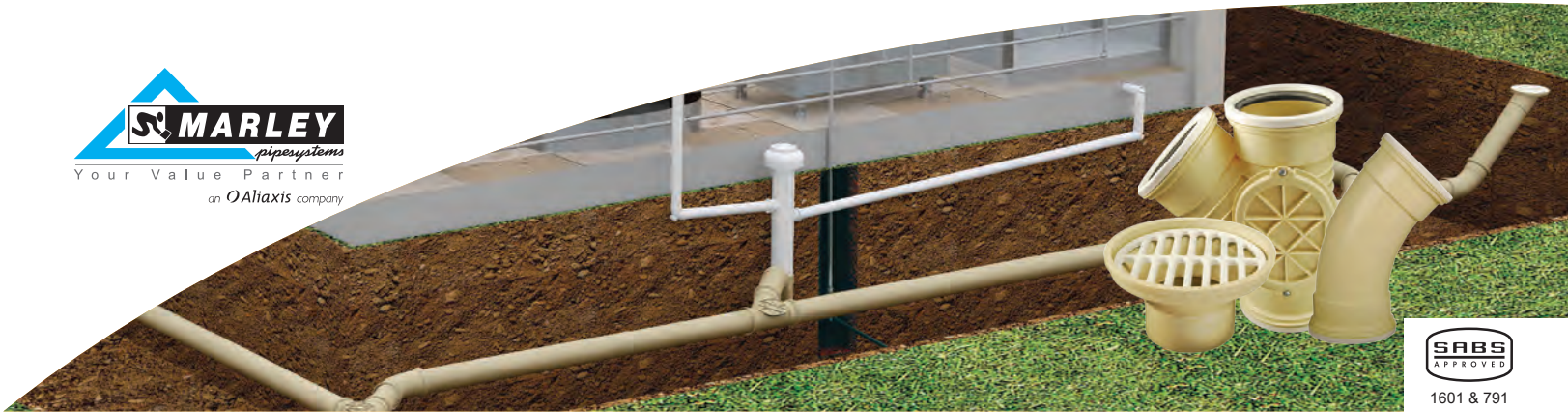
With a rich history spanning decades, we have consistently set the standard for legislative compliance, product support, quality assurance, and customer service in the plumbing and building industries.

This legacy is what sets Marley Pipe Systems apart, making us your trusted choice.

We are committed to being “YOUR VALUE PARTNER.”

VALUES

Marley Pipe Systems is a dynamic company with integrity that partners with our clients, suppliers and employees. Our goal is in the consistent supply of a high quality comprehensive product range which is coupled with the pride we invest in our high levels of customer service and legislative compliance, all backed by a solid product support structure. To further assist us in driving the Marley Pipe Systems brand we partner with our clients in offering a comprehensive merchandising solution throughout the Southern African region. The combination of all these factors, makes us your ideal “VALUE PARTNER” with the trust and belief that together we can grow and be successful.

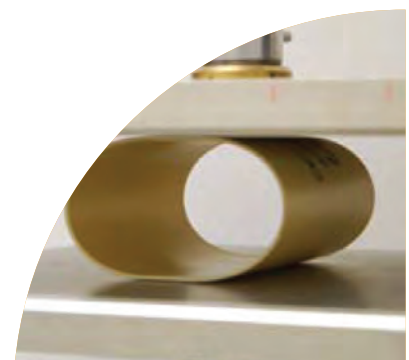


SEWER AND DRAIN PIPE				SABS 1601 & 791		
Solid-Wall						
	Code	Size (mm)	Length (m)	Type	Wall Thickness (mm)	Weight (kg/m)
	Normal duty pipe Class 51, SABS 791					
	UL420	110	6	Plain Ended	2.3	1.20
	UZN420	110	6	Socketed Rubber Ring	2.3	1.20
	UL620	160	6	Plain Ended	3.2	2.55
	UZN620	160	6	Socketed Rubber Ring	3.2	2.55
	UL820	200	6	Plain Ended	3.9	3.91
	Heavy duty pipe, Class 34, SABS 791					
	ULH420	110	6	Plain Ended	3.2	1.62
	UZH420	110	6	Socketed Rubber Ring	3.2	1.62
	UZH620	160	6	Socketed Rubber Ring	4.7	3.67
	SABS 1601 Pipe 100kPa & 200kPa (400kPa Available on Request)					
	ULE406	110	2	Plain Ended 100 kPa	2.15	1.02
	ULE412	110	4	Plain Ended 100 kPa	2.35	0.91
	ULE420	110	6	Plain Ended 100 kPa	1.85	1.04
ULE422	110	6	Plain Ended 200 kPa	2.40	1.30	

UPVC UNDERGROUND PIPES

Note In the pipe tables above, "kPa Stiffness" is not a pressure rating. "kPa Stiffness" refers to the pipe's stiffness (crush strength).*

The pascal (symbol: Pa) or kilopascal (kPa) is the SI derived unit of pressure or stress - in this case, stress.



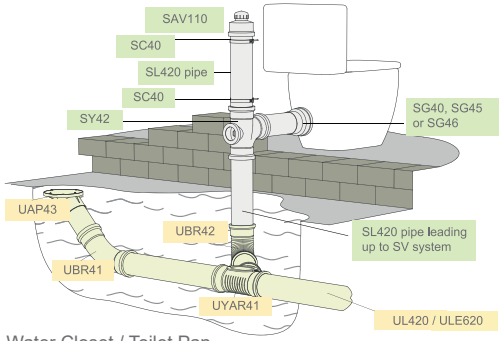
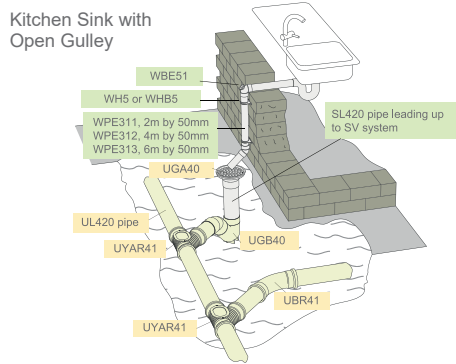
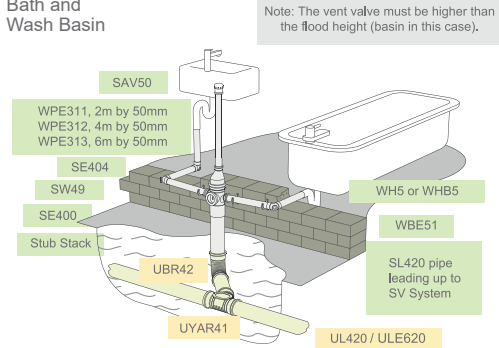
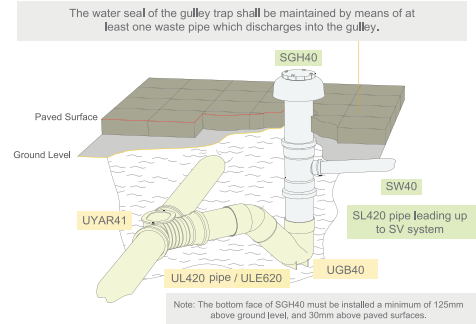
UPVC UNDERGROUND FITTINGS

45° Plain Bend 1/8 UBR41 - 110mm 	87.5° Plain Bend 1/4 UBR42 - 110mm 	45° Access Bend 1/8 UBR43 - 110mm 	87.5° Access Bend 1/4 UBR45 - 110mm 	22.5° Bend 1/8 (Socket/Socket) UBRS40 - 110mm 
22.5° Plain Spigot/Socket Bend 1/8 UB40 - 110mm UB60 - 160mm *UB80 - 200mm 	Solvent Socket UES400 - 110mm 	Single Socket UE400 - 110mm UE600 - 160mm 	Double Socket UE401 - 110mm *UE601 - 160mm (Refer REDI) *UE801 - 200mm (Refer REDI) 	Kimberley Socket UK40 - 110mm *UK60 - 160mm (Refer REDI) *UK80 - 200mm 
Inspection Pipe UF40 - 110mm *UF60 - 160mm 	87.5° Plain Square Junction UY42 - 110mm *UY62 - 160mm *UY82 - 200mm 	45° Plain Reducing Junction UY64 - 160mm x 110mm *UY84 - 200mm x 160mm (Refer REDI) 	45° Access Reducing Junction Right UYA63 - 160mm x 110mm *UYA83 - 200mm x 160mm 	45° Access Reducing Junction Left UYA64 - 160mm x 110mm *UYA84 - 200mm x 160mm 
45° Access Junction Right UYAR41 - 110mm 	45° Access Junction Left UYAR42 - 110mm 	45° Plain Junction UYR41 - 110mm 	Gulley "P" Trap UGB40 - 110mm x 110mm 	Bend Long Radius 45° *UB41L - 110mm *UB61L - 160mm *UB81L - 200mm 90° *UB42L - 110mm *UB62L - 160mm *UB82L - 200mm 

*Fabricated Fittings (non-SABS)



1601 & 791

Rodding Eye Access Cover		Gully Head & Grate		Gully Grate		Access Stopend Solvent Weld	Plain Stopend (Female)	Plain Stopend (Male)	
45° & 90° Round ACSB43 110mm	45° Oval ACSB43O 110mm	Round UGA40 150mm x 110mm	Square UGS40 250mm x 250mm	Round UGG40 190mm x 110mm	Square UGS41 250mm x 250mm	UAP42 - 110mm *UAP62 - 160mm (Refer REDI) *UAP82 - 200mm	UAP40 - 110mm *UAP60 - 160mm *UAP80 - 200mm	UAP41 - 110mm *UAP61 - 160mm *UAP81 - 200mm	
									
Includes screws and rubber seal									
45° Rodding Eye		45° Rodding Eye Oval		90° Rodding Eye		Adaptor Female PVC/CI		Adaptor Female PVC/EW	
UAP43 - 110mm *UAP63 - 160mm *UAP83 - 200mm		UAP43O - 110mm		UAP44 - 100mm *UAP64 - 160mm		UA41 - 110mm *UA61 - 160mm (Refer REDI) *UA81 - 200mm (Refer REDI)		UE41 - 110mm *UE61 - 160mm (Refer REDI) *UE81 - 200mm (Refer REDI)	
									
Grease Trap		 Water Closet / Toilet Pan							
*GRTR110 - 110mm *GRTR160 - 160mm									
		 Kitchen Sink with Open Gully							
Grease Trap Strainers									
GRTS110 -110mm	GRTS140 - 140mm	 Bath and Wash Basin Note: The vent valve must be higher than the flood height (basin in this case).							
									
		 Overflow Gully The water seal of the gully trap shall be maintained by means of at least one waste pipe which discharges into the gully. Note: The bottom face of SGH40 must be installed a minimum of 125mm above ground level, and 30mm above paved surfaces.							

*Fittings (EN1401)

REDI LARGE BORE FITTINGS

Access Stopend

*UAP621651603 – 160mm



45° Plain Bend Double Socketed

*UB61S23165 – 160mm



87.5° Plain Bend Double Socketed

*UB62S24165 – 160mm
*UB8224215 – 200mm



Double Socket

*UE60163165 – 160mm
*UE80163205 – 200mm



Adaptor PVC to EW Spigot/Socket

*UE6162165 – 160mm



Kimberley Socket

*UK6061165 – 160mm



45° Plain Junction

*UY6144165 – 160mm



87.5° Plain Square Junction

*UY6245165 – 160mm



45° Plain Reducing Junction

*UY84312151 – 200mm x 160mm



Non-Return Valves

*1555551 – 110mm
*1551691 – 160mm



Taper Pipe Reducer

*UT60051165 - 160mm x 110mm



45° Plain Bend

SB68701653 – 160mm



87.5° Plain Bend

SB60241653 – 160mm



REDI

All REDI fittings are moulded, not fabricated, and are fitted with an integral rubber seal.

REDI fittings are manufactured according to EN1401 standards complying with the requirements as set out by the European Standard Institute. The fittings are totally compatible with SABS 791 (solid wall) and SABS 1601 (foam wall PVC pipes). REDI provides easy-to-install, secure and reliable solutions aimed at building long-lasting networks.

Underground Systems

Soil & Vent Systems

Marley Flood Valve/Non-Return Sewer Valve are moulded with rubber / spigot rings for a secure and reliable seal. Designed for non-pressure applications in underground drainage, featuring a lockable butterfly flap for ease of maintenance.

Particularly suitable for:

- Low – lying coastal, lake or valley areas, especially where rain water is channeled downstream to the main sewer, making it liable to flash-floods after heavy rainfalls.
- Under-dimensioned sewage networks with recent or scheduled new dwellings being connected on a previous main sewer operating at a high flowrate.
- Private discharge systems channeled to public sewers equipped with pumping stations.
- Commercial and industrial installations where non-pressure flow control is required (fish – farming) or where PVC performance is required (salt water).
- Rodent ingress reduction.



*Fabricated Fittings (non-SABS)



967

SOIL AND VENT PIPE				SABS 967		
	Code	Size (mm)	Length (m)	Type	Wall Thickness (mm)	Weight (kg/m)
	SL406	110	2	Plain Ended	3.50	1.66
	SLE406*	110	2	Plain Ended	2.25	1.18
	SL412	110	4	Plain Ended	3.50	1.66
	SLE412*	110	4	Plain Ended	2.25	1.18
	SL320*	75	6	Plain Ended	3.50	1.16
	SLE320	75	6	Plain Ended	2.30	0.78
	SL420	110	6	Plain Ended	3.50	1.66
	SLE420*	110	6	Plain Ended	2.25	1.18
	SL620	160	6	Plain Ended	3.60	2.50

Kimberley Socket

SE302 - 75mm
SE402 - 110mm
*SE602 - 160mm



Single Socket

SE300 - 75mm
SE400 - 110mm / SE400E (E-Spec)
SE600 - 160mm



Double Socket

SE401 - 110mm
*SE601 - 160mm



Solvent Socket

SES400 - 110mm



87.5° Plain Bend

SB30 - 75mm
SB40 - 110mm
SB60241653 - 160mm (Refer RED1)



87.5° Access Heel Bend

SB31 - 75mm
SB41 - 110mm



135° Plain Bend

SB38 - 75mm
SB48 - 110mm
SB68701653 - 160mm (Refer RED1)



135° Access Heel Bend

*SB39 - 75mm
SB49 - 110mm



135° Plain Bend Double Socket

SBS48 - 110mm



87.5° Vent Horn Access Heel Bend

SB400 - 110mm



Inspection Pipe

*SF31 - 75mm
SF41 - 110mm



87.5° Plain Single Junction

*SY31 - 75mm (Nicoll)
SY41 - 110mm / SY41E (E-Spec)
*SY61 - 160mm



87.5° Single Access Heel Junction

SY42 - 110mm
SY42E (E-Spec)
*SY62 - 160mm



135° Single Plain Junction

SY39 - 75mm
SY49 - 110mm



135° Single Access Heel Junction

SY300 - 75mm
SY400 - 110mm



87.5° Plain Single Reducing Junction

*SW30 - 75mm x 50mm
SW40 - 110mm x 50mm
*SW60 - 160mm x 110mm



87.5° Single Access Heel Reducing Junction

*SW31 - 75mm x 50mm
SW41 - 110mm x 50mm
*SW61 - 160mm x 110mm



87.5° Plain Double Reducing Junction

SW48 - 110mm x 50mm



UPVC SOIL & VENT PIPES

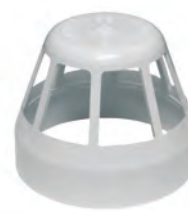
UPVC SOIL & VENT FITTINGS



967

*Fabricated Fittings (non-SABS)

UPVC SOIL & VENT FITTINGS

87.5° Double Access Heel Reducing Junction SW49 - 110mm x 50mm 	87.5° Plain Double Junction *SY403 - 110mm x 110mm 	87.5° Double Access Heel Junction *SY404 - 110mm x 110mm (Solvent) *SY404F - 110mm x 110mm (Rubber Ring) 	Strap on Boss WAB5 - 110mm x 50mm 	Airvent Cowls SV32 - 75mm SV42 - 110mm 
Straight Pan Collar - Solvent Weld SG40 - 110mm 	Pan Collar - WC Offset SG45 - 110mm 	Pan Collar - Straight Rubber Ring SG46 - 110mm 	87.5° Pan Collar Plain Bend ST44 - 110mm 	87.5° Pan Collar Access Heel Bend ST41 - 110mm 
Overflow Gully Head SGH40 - 110mm 	Eccentric Reducer *SE304 - 75mm x 50mm SE404 - 110mm x 50mm SE405 - 110mm x 75mm *SE604 - 160mm x 110mm 	Stopends Plain (Male) SE303 - 75mm SE403 - 110mm *SE603 - 160mm 	Stopends Plain (Female) SE410 - 110mm 	Stopend Access SEA402 - 110mm 
Two Way Vent Valve SAV110BG (Bagged) - 110mm SAV110 (Boxed) - 110mm 	Multikwik Pan Connector *MK52 - Straight Pan Connector 110mm *MK02 - Offset Pan Connector 	Extendable PVC Pan Connector 110mm *MKC2 - 225mm x 500mm *MKC3 - 220mm x 400mm Multikwik WC Connector 	135° Plain Junction *SW44 - 50mm x 110mm 	135° Access Heel Junction *SW45 - 50mm x 110mm 

*Fabricated Fittings (non-SABS)



967

WASTE PIPE				SABS 967		
	Code	Size (mm)	Length (m)	Type	Wall Thickness (mm)	Weight (kg/m)
	WPE210	40	1	Plain Ended	2.2 - 2.40	0.38
	WPE211	40	2	Plain Ended	2.2 - 2.40	0.38
	WPE212	40	4	Plain Ended	2.2 - 2.40	0.38
	WPE213	40	6	Plain Ended	2.2 - 2.40	0.38
	*WP211	40	2	Plain Ended	3.2 - 3.35	0.58
	*WP213	40	6	Plain Ended	3.2 - 3.35	0.58
	WPE310	50	1	Plain Ended	2.2 - 2.40	0.50
	WPE311	50	2	Plain Ended	2.2 - 2.40	0.50
	WPE312	50	4	Plain Ended	2.2 - 2.40	0.50
	WPE313	50	6	Plain Ended	2.2 - 2.40	0.50
	*WP311	50	2	Plain Ended	3.2 - 3.35	0.73
	*WP313	50	6	Plain Ended	3.2 - 3.35	0.73

UPVC WASTE PIPES

UPVC WASTE FITTINGS

87.5° E-Spec Plain Bend Solvent Weld WBE40 - 40mm WBE50 - 50mm 	87.5° E-Spec Access Heel Bend Solvent Weld WBE41 - 40mm WBE51 - 50mm 	135° E-Spec Plain Bend Solvent Weld WBE42 - 40mm WBE52 - 50mm 	135° E-Spec Access Heel Bend Solvent Weld WBE43 - 40mm WBE53 - 50mm 	87.5° E-Spec Plain Single Junction Solvent Weld WTE40 - 40mm WTE50 - 50mm 
87.5° E-Spec Access Heel Single Junction Solvent Weld WTE41 - 40mm WTE51 - 50mm 	135° E-Spec Plain Single Junction Solvent Weld WTE42 - 40mm WTE52 - 50mm 	135° E-Spec Access Heel Single Junction Solvent Weld WTE43 - 40mm WTE53 - 50mm 	Socket (Solvent) WS4 - 40mm WS5 - 50mm 	Socket Reducer WR5 - 50mm x 40mm 
Double Socket Rubber Ring WRS5 - 50mm x 50mm 	Airvent Cowl WV52 - 50mm 	Male Stopend – BSP WA4 - 40mm x 1 1/2" thread WA5 - 50mm x 2" thread 	Female Stopend Solvent Weld WA400 - 40mm WA500 - 50mm 	PVC Pipe Clip WH4 - 40mm WH5 - 50mm 



967

*Fittings & White Traps (non-SABS)

Male BSP Adaptor

WM04 - 40mm x 1 1/4"
WM4 - 40mm x 1 1/2"
WM051 - 50mm x 1 1/4"
WM05 - 50mm x 1 1/2"
WM5 - 50mm x 2"



Female BSP Adaptor

WF04 - 40mm x 1 1/4"
WF4 - 40mm x 1 1/2"
WF051 - 50mm x 1 1/4"
WF05 - 50mm x 1 1/2"
WF5 - 50mm x 2"



Ratchet PVC Holderbat & Hilti Nail

Packs of 5
WHB4 - 40mm
WHB5 - 50mm

Single unit
WHB4S - 40mm
WHB5S - 50mm



Vent Valve

One Way
*WAV50 - 50mm
(Boxed)
*WAV50BG - 50mm
(Bagged)

Two Way
*SAV50 - 50mm
(Boxed)
*SAV50BG - 50mm
(Bagged)



For installation instructions refer to SANS 10252-2

White Plain Bath Trap & Overflow

ETB01 - 38mm x 50mm



White Double Sink Combo Trap

ETC03 - 38mm x 50mm x 300mm
ETC04 - 38mm x 50mm x 600mm



White Pipe Clamp for Waste Traps

ETC25 - 32mm (Standard Clip)
ETC26 - 40mm (Standard Clip)



White Mini Plain Trap & Standard Connector

ETM21 - 38mm x 50mm
ETM24 - 32mm x 50mm
ETMA21 - 38mm x 50mm with 50 x 40 Adaptor
ETMA24 - 32mm x 40mm with 50 x 40 Adaptor



White Double Sink 'T' Piece & Elbow

ETC06 - 50mm x 50mm x 50mm
ETC07 - 50mm x 50mm
ETC27 - 50mm x 50mm



White 'P' Trap (with Re-Seal)

ETP09 - 32mm x 40mm
ETP10 - 38mm x 50mm
ETP11 - 32mm x 50mm
ETPA10 - 38mm x 50mm

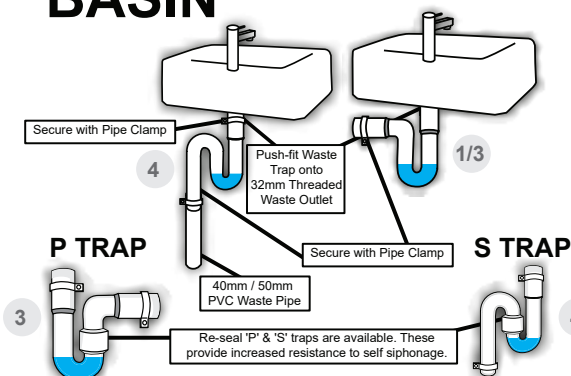


White 'S' Trap with Standard Connector

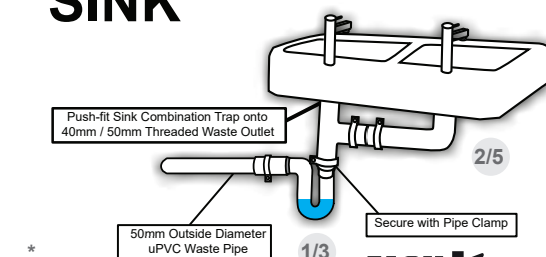
ETS15 - 32mm x 40mm
ETS16 - 38mm x 50mm
ETS17 - 32mm x 50mm



BASIN



SINK



EASYtrap
EASILY THE BEST

Industry Descriptions

Marley Description (Waste Size)	Alternative Description (PVC Pipe Size)
32mm x 40mm	32mm x 32mm
32mm x 50mm	32mm x 40mm
38mm x 40mm	38 mm x 32mm
40mm x 40mm	40mm x 32mm

*Black Traps (non-SABS)

Black Plain Bath Trap & Overflow

MTB01 - 40mm x 50mm

1

Black Double Sink Combo Trap

MTC04 - 40mm x 50mm x 600mm

6

Black Mini Plain Trap

MTM21 - 40mm x 50mm
MTM24 - 32mm x 40mm
MTM25 - 32mm x 50mm

2

Black 'P' Trap Plain

MTP09 - 32mm x 50mm
MTP10 - 40mm x 50mm
MTP11 - 32mm x 40mm

3

Black 'S' Trap Plain

MTS15 - 32mm x 40mm
MTS16 - 40mm x 50mm
MTS17 - 32mm x 50mm

4

Black Double Sink 'T' Piece & Elbow

MTC05 - Elbow 300mm (Only)
MTC06 - T-Piece (Only)
MTC07 - Elbow 600mm (Only)

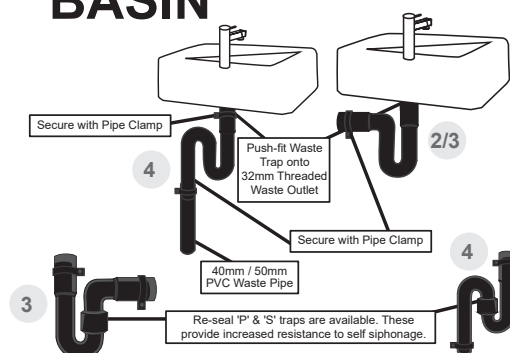
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Black Pipe Clamp for Waste Traps

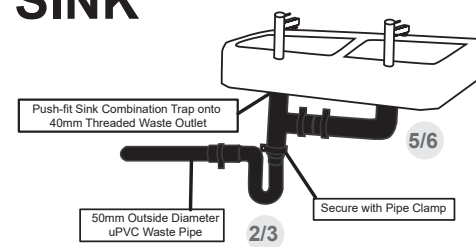
MTC25 - 40mm (Standard Clip)
MTC26 - 50mm (Standard Clip)

BLACK WASTE TRAPS

BASIN

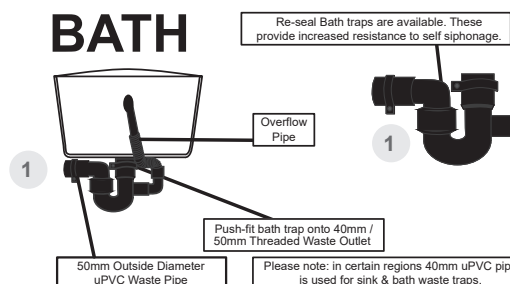


SINK



The P-trap or S-trap is a fitting that catches debris from the sink, preventing clogs and stopping sewer gases from entering the home.

BATH



APPLICATION	SUITABLE WASTE TRAP OPTIONS	SIZE OF THREADED WASTE OUTLET	MATCHING UPVC PIPE SIZE ON TRAP OUTLET
Basin	'P' & 'S' traps, mini trap, deep seal, plain or re-seal	32mm	40mm or 50mm
Sink	'P' & 'S' traps, mini trap, deep seal, plain or re-seal	40mm	50mm **40mm in certain regions
Bath	Bath trap, plain or re-seal	40mm	50mm **40mm in certain regions

*Accessories (non-SABS)

ACCESSORIES

SUPPORTING QUALITY PLUMBING INSTALLATIONS

Quality installations demand quality materials, from the pipes and fittings to the tools you use to connect them.

In addition to a range of pipes and fittings, Marley Pipe Systems also offers a range of useful plumbing accessories of the highest quality and standards to provide an overall solution to your plumbing and construction needs as well as to support the maintenance of your pipe systems.

Included in the range is a selection of lubricants, pressure & non-pressure solvent weld cement, cleaning fluid, gel for pressure pipes, aluminium holderbats and wax pan seals.

Marley is your one-stop destination for all your plumbing needs.

ACCESSORIES



Marley High Pressure Solvent Cement
MP250 - 250ml Tin MP250B - 250ml Tin with Brush MP500 - 500ml Tin

Marley Low Pressure Solvent Cement
KS6 - 250ml Tin KS6B - 250ml Tin with Brush KS20 - 500ml Tin
KS20B - 500ml Tin with Brush

Aluminium Holderbat	Electro Plated Galvanised Holderbat
WHA4 - 40mm WHA5 - 50mm SC10 - 250mm SC30 - 75mm SC40 - 110mm	SC60 - 160mm SC80 - 200mm

Wax Pan Seal	
WAXSL1 - White	WAXSL3 - Brown
	

General Purpose Lubricant
ML6 - 200ml ML30 - 1l

Marley Low Pressure Solvent Cement
KS1 - 50ml Tube KS2 - 100ml Tube

Marley Gel For Pressure Pipe
MG1 - 1 Litre Bucket MG5 - 5 Litre Bucket



Universal Shower Traps - Square Grid

Universal Shower Traps with Stainless Steel Grid - SIHJ10IH - 100mm x 100mm



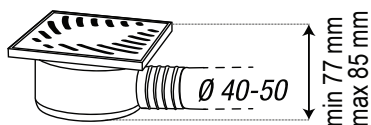
Standard Shower Traps

Shallow Seal - P50SSHC
Medium Seal - P50MSHC



INSTALLATION INSTRUCTIONS

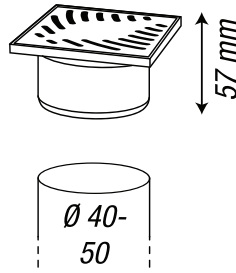
The Marley Universal Shower Trap offers the choice of a vertical or horizontal outlet.



HORIZONTAL OUTLET

a) 40mm - Apply PVC Solvent Weld to the inside of the horizontal outlet of the shower trap and to the outside of the 40mm pipe. Insert the 40mm pipe into the shower trap outlet. Allow to dry.

b) 50mm - Apply PVC Solvent Weld to the outside of the horizontal outlet of the shower trap and to the inside of the 50mm Socket. Push the 50mm PVC Socket over the shower trap outlet. Allow to dry.

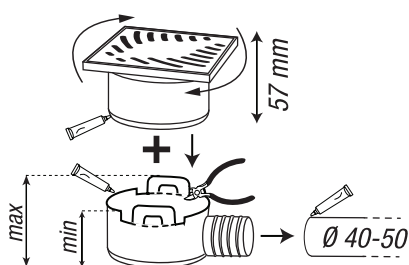


VERTICAL OUTLET

a) Remove the horizontal bottom outlet section of the shower trap.

b) Apply PVC Solvent Weld to the inside of the 40mm PVC Socket. Attach to the vertical outlet of the shower trap.

c) Apply PVC Solvent Weld to the outside of the 50mm pipe, attach to the vertical outlet of the shower trap.



Remove winglets by hand or pliers to the required height, if space is not a problem, keep the winglets attached for maximum flow.

The design allows for an adjustment of 360°, to suit alignment with tiles and the direction of the outlet



Install according to manufacturer guidelines.

Compatible with all SANS 151 compliant hot water cylinders.

Please note : Ensure that the correct pressure control valve and the expansion relief valve matches the pressure rating of the hot water cylinder (Geyser).

CONVENIENCE AND QUALITY IN ONE SYSTEM

LATCO PRESSURE CONTROL & RELIEF VALVES

LATCO & NEPTUNE presents a reliable generation of pressure control and expansion relief valves for hot and cold water systems that saves time and money, offering maximum value at unbeatable prices.

Manufactured from a tough, corrosion resistant Acetal copolymer, LATCO & NEPTUNE valves have been in use for over 35 years on a substantial number of dwellings without change to its principal design. The benefits of plastic over copper and brass alternatives is that there is no electrolytic action with the water and no scale build up. Another key advantage of LATCO & NEPTUNE valves is that they have no scrap value meaning that there is less pilferage from merchants and building sites.

The range is available in 100kPa, and 400kPa models for BSP connections, and is compatible with all SANS 151 compliant hot water cylinders.

FEATURES & BENEFITS

- Available as BSP connections
- Easy installation
- Proudly manufactured in South Africa
- Reduced theft risk - no copper parts
- Corrosion-free
- No scale build-up
- Proven track record
- Compatible with all SANS 151 compliant hot water cylinders
- UV stabilised
- Affordable

Standard Latco 100 kPa

*LAT27 – Twin Pack



Standard Latco 100 kPa

*LAT25 – Pressure Control Valve – BSP



Standard Latco 100 kPa

*LAT26 – Combined Expansion Relief Valve / Vacuum Breaker - BSP



Neptune 400 kPa

LAT18 - Twin Pack - BSP



Neptune 400 kPa

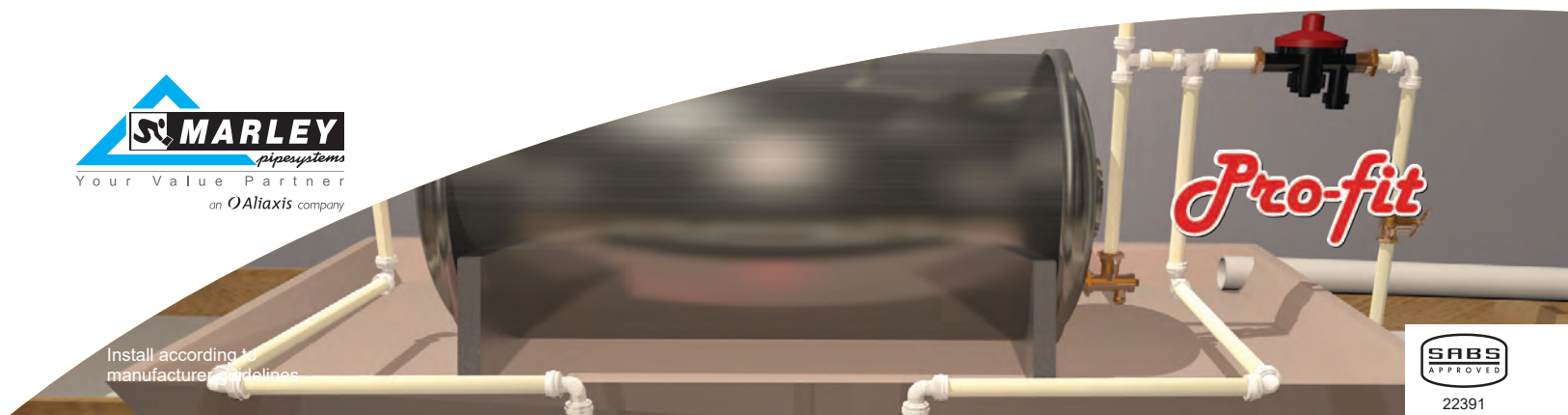
LAT16 - Pressure Control Valve - BSP



Neptune 400 kPa

LAT17 - Combined Expansion Relief Valve / Vacuum Breaker - BSP





FEATURES AND BENEFITS

Materials technology has evolved at a progressive rate impacting positively on virtually all aspects of our daily life.

Few sectors have remained unaffected as progressive manufacturers introduce products that leverage the advantages available in material technology.

The Marley Pro-fit system is such a product, a polymer based hot and cold water supply system offering contractors a completed solution suitable for residential and commercial installations. The system enjoys SABS approval and has been tested and rated in accordance with SABS 22391 for hot and cold water supply systems.

ADVANTAGES

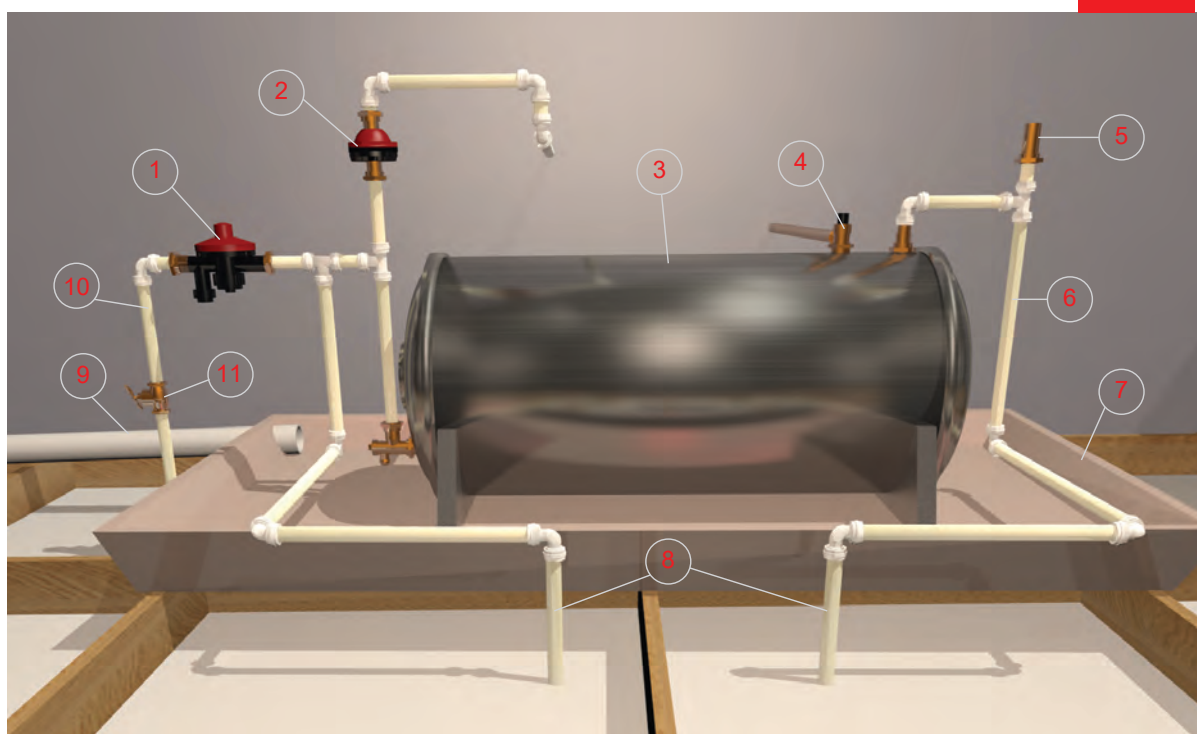
Converting to a new system often raises concerns, in particular the initial costs incurred and the required training. Pro-fit hot and cold technology is not expensive, requires minimal training and offers many advantages.

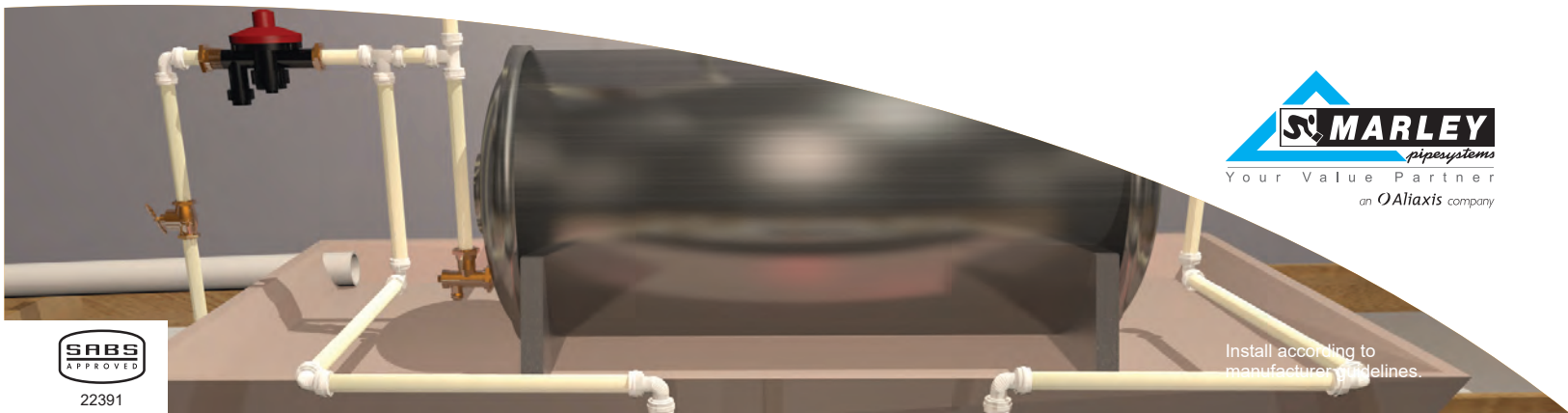
One of the main advantages of the system is that it is quick to install. A plumber is likely to save a substantial amount of the time usually taken to perform an installation.



PRO-FIT HOT & COLD WATER SYSTEM

1. LATCO Neptune Pressure Control Valve
2. LATCO Neptune Combined Expansion Relief Valve / Vacuum Breaker
3. Hot Water Cylinder
4. Temperature & Pressure Safety Valve
5. Vacuum Breaker
6. Hot Water Pipe
7. Drip Tray
8. Pipework to Mixer / Taps
9. Drip Tray Outlet Pipe
10. Cold Water Inlet Pipe
11. Shut-off Valve





Profit fittings made from PP-SU material should not be exposed to or painted/sprayed with substances such as ABS cleaners, primers, thinners, or foam insulation. These products often contain active ingredients like Ketone and Acetone, which are highly incompatible with PolyPhenylSulfone (PP-SU). Exposure to these chemicals can cause the fittings to become brittle or even shatter. Contact Marley for any additional technical information or concerns.

CHEMICAL RESISTANCE

Polysulfone resins have reasonably good chemical resistance when used with aqueous systems and also resist aqueous caustic solutions which severely attack the polyetherimide.

Radel R PolyPhenylSulfone (PP-SU) also has excellent resistance to chlorinated water at elevated temperatures, showing no reduction in resin tensile strength nor in weight when exposed to temperature of 90°C.

Oxygenated and aromatic solvents can cause stress cracking, Radel R PolyPhenylSulfone (PP-SU) shows the best resistance.

General Indications of Chemical Resistance Exposure - Immersion for 7 days at room temperature		
Reagent	RADEL R PolyPhenylSulfone (PP-SU)	PE-RT Type 3 23/60
n-Butane	Excellent	Excellent
Iso-octane	Excellent	Excellent
Benzene	Fair	Fair
Toluene	Fair	Fair
Ethanol	Excellent	Good
Methyl Ethyl Ketone	Fair	Good
2-Ethoxyethanol	Good	Severe Attack
1, 1, 1-Trichloroethane	Good	Severe Attack
Carbon Tetrachloride	Excellent	Severe Attack
Hydrochloric Acid (20%)	Excellent	Excellent
Acetic Acid (20%)	Excellent	Excellent
Sulfuric Acid (20%)	Excellent	Excellent
Sodium Hydroxide (10%)	Excellent	Excellent
Rating System: Excellent Good Fair Severe Attack	- No change - Minor attack, no serious loss of properties - Some attack, but still has useful properties - Severe attack or rupture	

* More chemical resistance information available on our website or available on request

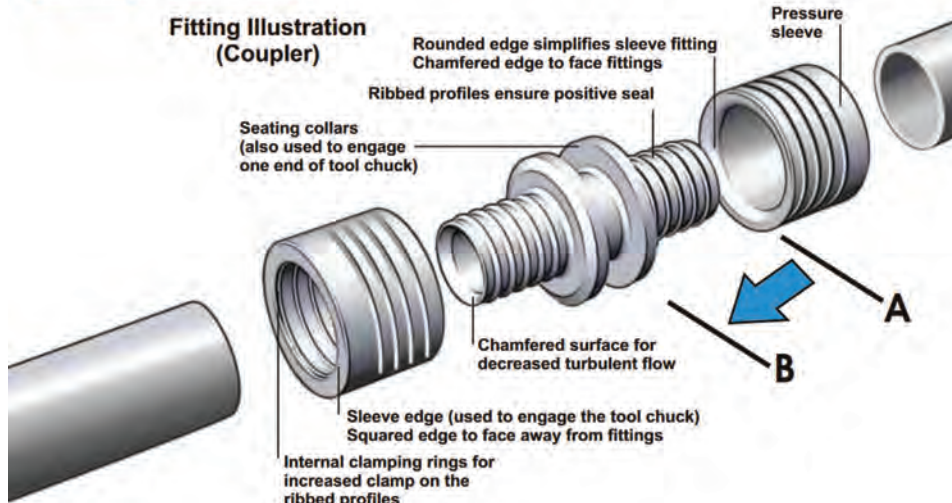
Install according to
manufacturer guidelines



22391

Fitting Features

Fitting Illustration (Coupler)



- Corrosion & impact resistance
- No scale build up
- Quieter plumbing
- Healthier water
- No scrap value
- Decreased turbulent flow
- Low co-efficient of friction
- 100% certain joints

Profit Pipe Manufactured from the highest grade PE-RT (Polyethylene with Raised Temperature Resistance), Pro-fit pipe is tough, puncture and tear resistant and offers greater flexibility with a bending radius of up to 180°, allowing ease of use and the reduction in the use of fittings required.

PRO-FIT HOT & COLD WATER SYSTEM

SYSTEM FEATURES

Applications of Polymer piping systems

- Domestic and Commercial water supply (Hot and Cold water)
- It can be used for new installations as well as for repair work
- Marley Pipe Systems' Pro-Fit is not recommended for use in external applications as the product is not UV stabilised. Any usage of the product externally will require protection in the form of sleeving or conduit.

EASE OF INSTALLATION

Contractors enjoy the ease with which the typical installation may be undertaken and the increased productivity.

Joints are easily established without the use of highly skilled artisans. A typical residential hot and cold water pipe installation may be completed in substantially less time compared to using traditional installation methods.

The system utilises a unique joint design enabling contractors to produce 100% certain joints under the most demanding conditions. Use of the Pro-Fit system eliminates the possibility of failures due to loose joints.

Unlike traditional hot and cold systems requiring full pressurisation and a time consuming observation for leaks, contractors can rest assured that the Pro-fit joint

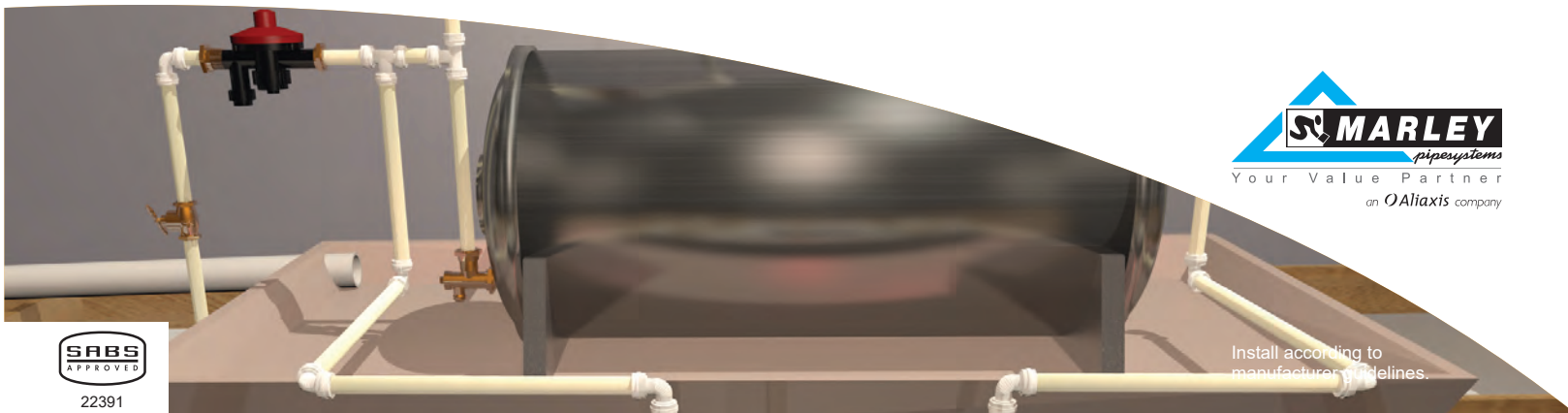
has been successfully established simply by adhering to the basic installation guidelines.

Pressurising the line can take place immediately after a joint has been completed; so no more unproductive time waiting to pressure test.

The system is lightweight and easy to handle, benefiting contractors working with larger installations. A 50m pipe coil of 16mm or 20mm pipe diameter can easily be carried by one person.

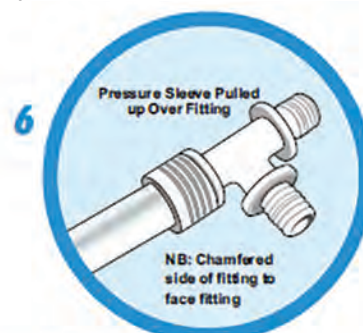
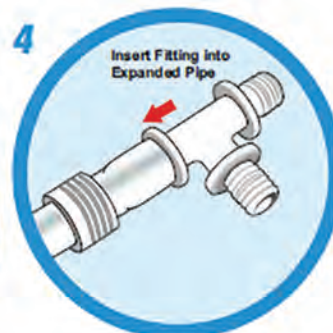
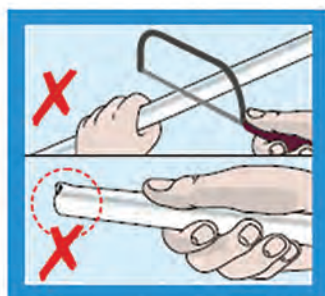
Due to the pipe's inherent flexibility and availability in 50m coils, longer pipe runs may be placed without resorting to joints, a saving in both time and material.

No consumables, heat or electricity are required for joining Pro-Fit pipe.



BASIC INSTALLATION GUIDELINES

- 1 Cut the pipe to length, ensuring a square edge (We recommend using a standard pipe cutter rather than a hacksaw blade to give a square edge.)
- 2 & 3 Fit the pressure sleeve and expand the pipe using the expanding/flaring tools. For correct expansion ensure that the appropriate size of expansion chuck has been fitted and that it has been threaded completely onto the tool.
- 4 Insert the required fitting ensuring the pipe end is in contact with the collar.
- 5 Using the Pro-Fit closing tool, pull the pressure sleeve over the pipe and fitting until fully seated against the seating collar.
- 6 The joint is complete.



Flaring Tools

PRTEXT1620 - Pipe Flaring Tool (Incl. 16mm & 20mm Expanding Jaws)
PRTEXJ16 - Expanding Jaws 16mm
PRTEXJ20 - Expanding Jaws 20mm
PRTEXT - Pipe Flaring Tool Only



Closing Tools

PRTCLT1620 - Pressure Sleeve Closing Tool (Incl. 16mm & 20mm Jaws)
PRTCLJ16 - Pressure Sleeve Jaws 16mm
PRTCLJ20 - Pressure Sleeve Jaws 20mm
PRTCLT - Pressure Sleeve Closing Tool Only



Dual Plate Universal

PRFDAR - Dual Plate Universal Recessed
PRFDAF - Dual Plate Universal Assembly Unit



Single Plate

PRFSAR - Single Plate Recessed
PRFSAF - Single Plate - Plastic
PRFSARO - Single Plate Recessed



Install according to
manufacturer's guidelines



22391

Pro-fit Pipe Coils

PRP016050 - Pipe 16mm
Coil 50m
PRP020050 - Pipe 20mm
Coil 50m



Pressure Sleeves

PRFSL16 - Pressure Sleeve
16mm
PRFSL20 - Pressure Sleeve
20mm



Couplings

PRFCP16 - Coupling Equal
16mm
PRFCP20 - Coupling Equal
20mm



Reducing Couplings

PRFCPR2016 - Coupling
Reducing
20mm-16mm



Elbows

PRFEL16 - Elbow 90° 16mm
PRFEL20 - Elbow 90° 20mm



Equal Tees

PRFTE16 - Tee Equal 16mm
PRFTE20 - Tee Equal 20mm



Reducing Tees

PRFTR161620 - 16mm-16mm-20mm
PRFTR202016 - 20mm-20mm-16mm
PRFTR201616 - 20mm-16mm-16mm
PRFTR201620 - 20mm-16mm-20mm



Copper Tee

PRFTC161516 - Tee Copper
Adaptor 16mm - Cu 15 - 16mm



Male Branch Tee

PRFTM161216 - Tee Male
Branch 16mm - 1/2"



Male Connectors

PRFCM1612 - Connector Male 16-1/2"
PRFCM1634 - Connector Male 16-3/4"
PRFCM2012 - Connector Male 20-1/2"
PRFCM2034 - Connector Male 20-3/4"



Female Connectors

PRFCF1612 - Connector Female 16-1/2"
PRFCF1634 - Connector Female 16-3/4"
PRFCF2012 - Connector Female 20-1/2"
PRFCF2034 - Connector Female 20-3/4"



End Plugs

PRFPL16 - End Plug 16mm
PRFPL20 - End Plug 20mm



Wall Outlets

PRFOS1612 - Wall Outlet
16mm - 1/2"



Straight Copper Adaptor/Connector

PRFCC1615L - Copper Adaptor
16mm - Cu 15
PRFCC2022L - Copper
Connector 20mm - Cu 22



Female Elbow

PRFEF1612 - Elbow 90°
Female
16mm - 1/2"



Elbow Copper Adaptor

PRFEC1615 - Elbow 90°
Copper
Adaptor 16mm - Cu 15



Male Elbow

PRFEM1612 - Elbow 90°
Male 16mm - 1/2"



PRO-FIT HOT & COLD WATER SYSTEM

CHANGING THE WAY WE GROW FOOD THROUGH NFT HYDROPONICS

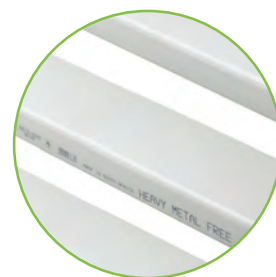
South Africa depends on the agriculture sector as the largest producer of food and driver of economic growth; however it is also the largest user of our scarce water resources. The use of NFT Hydroponic Growing Systems is fast-growing in agriculture as the best way to overcome critical food and water shortages by offering a quicker, healthier, more sustainable method of food production.

Marley manufactures a range of UV stabilised, food graded PVC pipes ideally suited to hydroponic growing applications, backed by a range of complementary fittings to complete the system.

FEATURES & BENEFITS

- Long lengths available: Pipe lengths range from 1.5m up to 12m lengths*
*Subject to minimum manufacturing quantity
- Moulded stopend fittings are available to complete the system
- Manufactured in ISO9001 factory, suitable for food growing medium
- Tried and tested: Used by some of the largest lettuce suppliers in South Africa
- The profile has a printed arrow indicating the top side

HYDROPONIC PROFILES

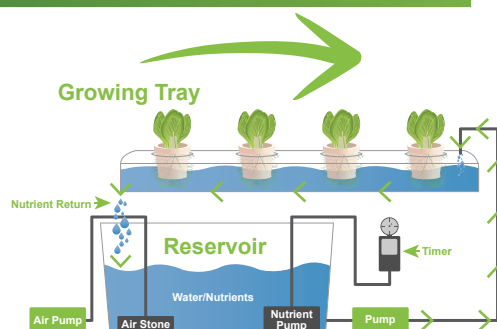


The NFT Hydroponic Process

STEP 1: Reservoir Tank

A tank containing a nutrient water solution is pumped into a growing tray through a network of PVC pipes.

- ✓ The right balance of nutrients, water and oxygen **reduces harvesting time**
- ✓ Controlled environment reduces plant stress for **healthier produce**



STEP 3: Recycling System

The nutrient water solution is directed via the pipes into a filter system where the waste water is collected, filtered, treated, recycled and pumped back into the reservoir tank.

- ✓ Nutrient water is recycled, **reducing overall water usage** significantly
- ✓ **Automated sensors** allow for faster crop turnover and reduced labour

Hydroponics

STEP 2: Growing Trays

Growing medium is placed into NFT Hydroponic pots and positioned in a tray which forms part of the pipe network that conveys the nutrient water solution.

- ✓ **Under cover** – not affected by climate-related issues (i.e. flood, drought, wind)
- ✓ **No soil** = no pesticides or diseases associated with soil

* The graphic above is for illustration purposes only and technical aspects may differ.

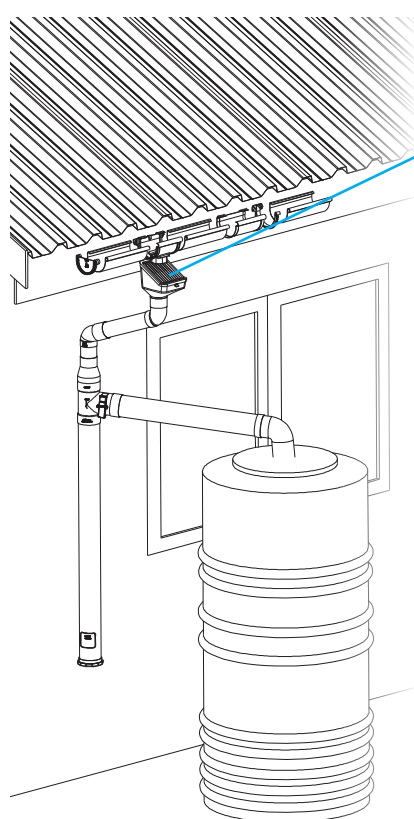
*Fabricated Fittings & Gutter Buddy (non-SABS)



Gutta-Buddy

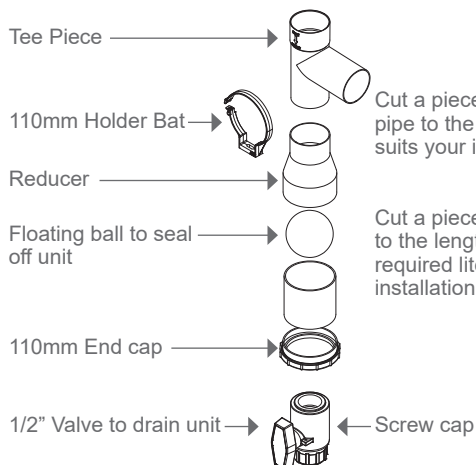
Leaf Catcher 80mm

Registered Design: F2016/00771



Rain Water Harvesting

- The Gutter Buddy is designed to create ease when harvesting rain water.
- Leaves and debris that are carried along by the water are filtered through the fine screen that further deflects mosquitos and other insects from entering your tank.
- The Gutter Buddy may still be used to prevent blocked gutters even if you are not harvesting rain water.
- Tank maintenance is greatly reduced and the drained angle of the product means leaves and debris are simply blown away leaving little or no need for cleaning.
- A removable lid creates further ease in maintenance should you require more upkeep.

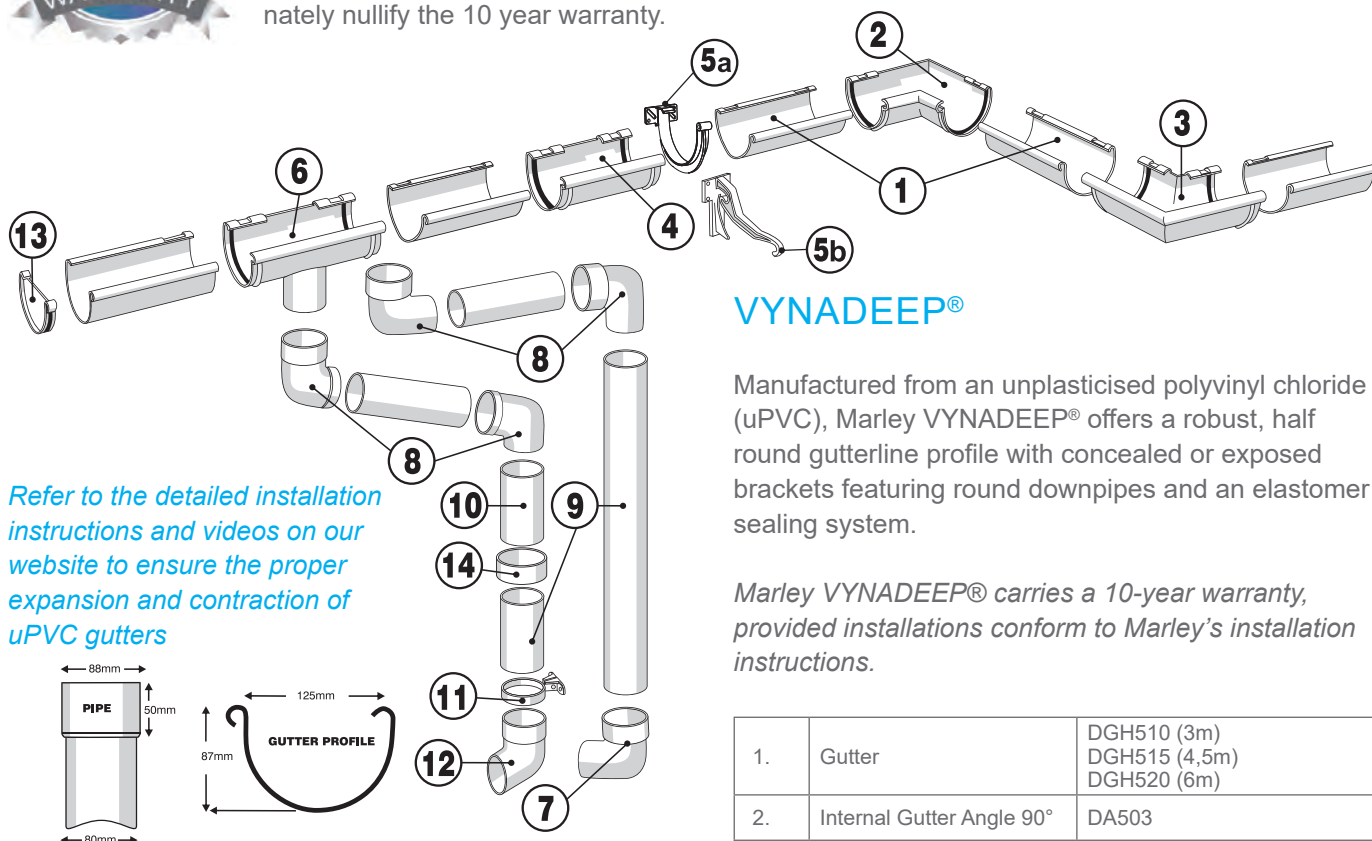


GUTTA-BUDDY

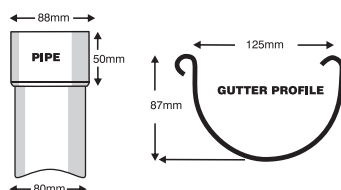


****Important Notice: Painting Marley uPVC Rainwater Systems****

VYNADEEP® Rainwater System is corrosion resistant, self coloured as well as UV protected, the material therefore does not require painting. If however, painting is required, it is suggested to contact a reputable paint manufacturer for specialist advice. Bear in mind that painted uPVC gutters will require more maintenance. Painting Marley uPVC Rainwater Systems, will unfortunately nullify the 10 year warranty.



Refer to the detailed installation instructions and videos on our website to ensure the proper expansion and contraction of uPVC gutters



VYNADEEP® Downpipe

DPHP310 - Downpipe 3m
DPH310 - Downpipe 3m
(Socketed one side)



VYNADEEP® Gutter

DGH510 - Gutter Length 3m
DGH515 - Gutter Length 4.5m
DGH520 - Gutter Length 6m



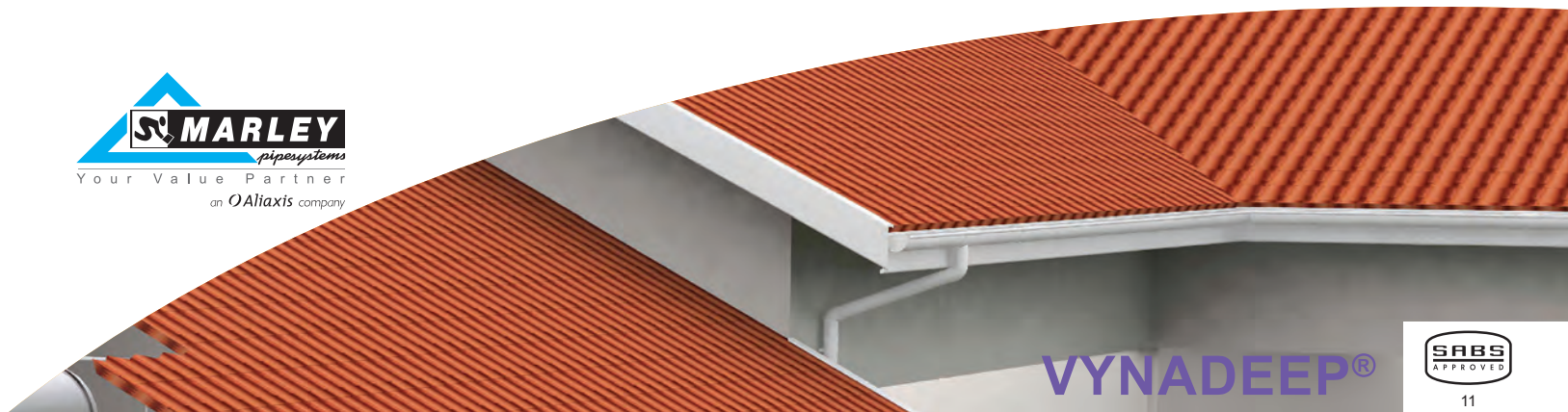
- Fascia brackets spacing should not exceed 1m
- When joining a gutter, ensure that there is a fascia bracket within 10cm of each fitting

VYNADEEP®

Manufactured from an unplasticised polyvinyl chloride (uPVC), Marley VYNADEEP® offers a robust, half round gutterline profile with concealed or exposed brackets featuring round downpipes and an elastomer sealing system.

Marley VYNADEEP® carries a 10-year warranty, provided installations conform to Marley's installation instructions.

1.	Gutter	DGH510 (3m) DGH515 (4.5m) DGH520 (6m)
2.	Internal Gutter Angle 90°	DA503
3.	External Gutter Angle 90°	DA504
4.	Union Clip	DU50
5a.	Fascia Bracket	DK501
5b.	Fascia Bracket (Concealed)	DK502
6.	Outlet	DO503
7.	Downpipe Bend 90°	DNB30
8.	Swanneck Ends (Pair)	DNE300
9.	Downpipe (Plain)	DPHP310
10.	Downpipe (Socketed one side)	DHP310
11.	Downpipe Clip	DC302
12.	Downpipe Shoe	DS30
13.	Stopend	DE501
14.	Loose Downpipe Socket	DPS300



VYNADDEEP®



11

VYNADDEEP® GUTTER SYSTEM

VYNADDEEP® Stopend DE501 - Stopend 	VYNADDEEP® Internal Gutter Angle DA503 - 90° 	VYNADDEEP® External Gutter Angle DA504 - 90° 	VYNADDEEP® Internal Gutter Angle DAX1 - 135° 	VYNADDEEP® External Gutter Angle DAX2 - 135° 
VYNADDEEP® Fascia Bracket DK501 	VYNADDEEP® Fascia Bracket (Concealed) DK502 	VYNADDEEP® Union Clip DU50 	VYNADDEEP® Gutter Outlet DO503 	VYNADDEEP® Downpipe Adaptor DO500 
VYNADDEEP® Tophat Adaptor DO505 	VYNADDEEP® Loose Round Downpipe Socket DPS300 	VYNADDEEP® Swanneck Ends Pair DNE300 - 110° 	VYNADDEEP® Downpipe Bend DNB30 - 90° 	VYNADDEEP® Downpipe Shoe DS30 
VYNADDEEP® Pipe Bend DB301 - 92° Pipe Bend DB302 - 112° Pipe Bend DB303 - 135° Pipe Bend 	VYNADDEEP® Downpipe Clip DC302 - (3 Per Packet) DC302S - (Single) Pipe Clip 	VYNADDEEP® Junction DY301 - 92.5° Pipe Junction DY302 - 112° Pipe Junction DY303 - 135° Pipe Junction 	VYNADDEEP® Stopend DS80 - Stopend 	VYNADDEEP® Spreader DS301 - Spreader 



11

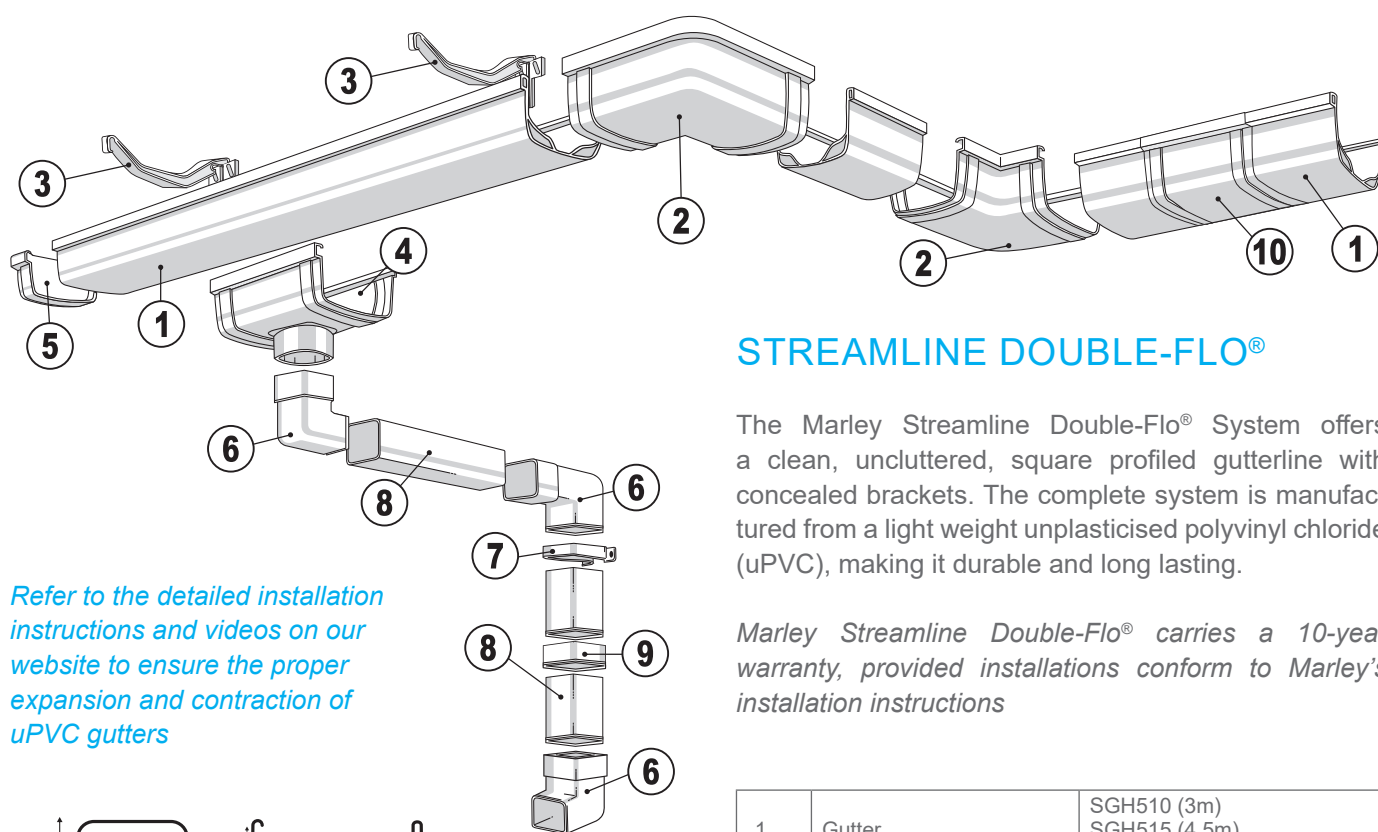
Streamline Double-Flo®



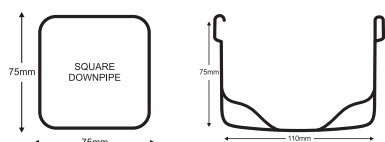
Important Notice: Painting Marley uPVC Rainwater Systems

STREAMLINE DOUBLE-FLO® Rainwater System is corrosion resistant, self coloured as well as UV protected, the material therefore does not require painting. If however, painting is required, it is suggested to contact a reputable paint manufacturer for specialist advice. Bear in mind that painted uPVC gutters will require more maintenance. Painting Marley uPVC Rainwater Systems, will unfortunately nullify the 10 year warranty.

STREAMLINE DOUBLE-FLO®



Refer to the detailed installation instructions and videos on our website to ensure the proper expansion and contraction of uPVC gutters



- Fascia brackets spacing should not exceed 1m
- When joining a gutter, ensure that there is a fascia bracket within 10cm of each fitting

STREAMLINE DOUBLE-FLO®

The Marley Streamline Double-Flo® System offers a clean, uncluttered, square profiled gutterline with concealed brackets. The complete system is manufactured from a light weight unplasticised polyvinyl chloride (uPVC), making it durable and long lasting.

Marley Streamline Double-Flo® carries a 10-year warranty, provided installations conform to Marley's installation instructions

1.	Gutter	SGH510 (3m) SGH515 (4,5m) SGH520 (6m)
2.	Gutter Angle	SA504
3.	Fascia Bracket	SK501
4.	Gutter Outlet	SO503
5.	Stopend	SE501
6.	Downpipe Bend-Shoe	SNE300
7.	Downpipe Clip	SC302
8.	Downpipe 3m (Plain)	SPH310
9.	Downpipe Socket	SPS300
10.	Union Clip	SU50

Streamline Double-Flo®



11

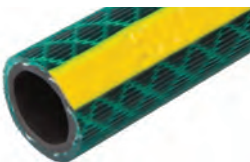
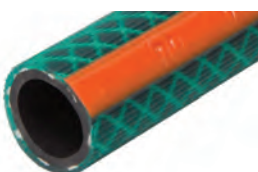
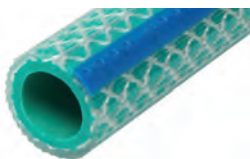


STREAMLINE DOUBLE-FLO®





MEGAFLEX® GARDEN & DRAGLINE HOSES

Garden Hoses				
Product	Product Description	Code	Product Description	Code
	MEGAFLEX® Premium Economy Hose - 6 Year Design Life		MEGAFLEX® Premium Economy Hose - 6 Year Design Life	
	12mm x 15m (Without Fittings)	DLD20012015	12mm x 15m (With Fittings)	DLD21012015
	12mm x 20m (Without Fittings)	DLD20012020	12mm x 20m (With Fittings)	DLD21012020
	12mm x 30m (Without Fittings)	DLD20012030	12mm x 30m (With Fittings)	DLD21012030
	20mm x 20m (Without Fittings)	DLD20020020	20mm x 20m (With Fittings)	DLD21020020
	20mm x 30m (Without Fittings)	DLD20020030	20mm x 30m (With Fittings)	DLD21020030
	MEGAFLEX® Standard Duty Garden Hose - 8 Year Design Life		MEGAFLEX® Standard Duty Garden Hose - 8 Year Design Life	
	12mm x 15m (Without Fittings)	DLD25012015	12mm x 15m (With Fittings)	DLD26012015
	12mm x 20m (Without Fittings)	DLD25012020	12mm x 20m (With Fittings)	DLD26012020
	12mm x 30m (Without Fittings)	DLD25012030	12mm x 30m (With Fittings)	DLD26012030
	20mm x 20m (Without Fittings)	DLD25020020	20mm x 20m (With Fittings)	DLD26020020
	20mm x 30m (Without Fittings)	DLD25020030	20mm x 30m (With Fittings)	DLD26020030
MEGAFLEX® Heavy Duty Garden Hose - 10 Year Design Life				
	12mm x 30m	DHD60012030		
	20mm x 30m	DHD60020030		

Dragline Hoses		
MEGAFLEX® Medium Duty Dragline Hose - 7 Year Design Life		
	20mm x 30m	I772020030
	20mm x 36m	I772020036
	20mm x 100m	I772020100
	25mm x 30m	I772025030
	25mm x 36m	I772025036
MEGAFLEX® Contractor's Hose		
	20mm x 25m	I771020025MC
MEGAFLEX® Heavy Duty Dragline Hose - 10 Year Design Life		
	20mm x 30m	I779020030
	20mm x 100m	I779020100
	25mm x 30m	I779025030
	25mm x 100m	I779025100

* special lengths available on request,
subject to minimum manufacturing
quantities





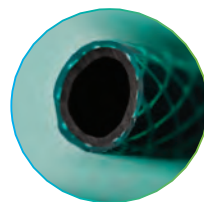
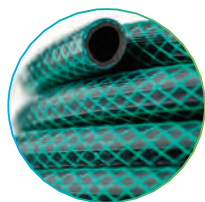
Our Stripes. Your Guarantee

Hoses (non-SABS)

e-spec

E-spec Garden Hoses				
Product	Product Description	Code	Product Description	Code
	E-spec® Garden Hose 12mm		E-spec® Garden Hose 12mm	
	12mm x 15m (Without Fittings)	DLD22012015	12mm x 15m (With Fittings)	DLD23012015
	12mm x 20m (Without Fittings)	DLD22012020	12mm x 20m (With Fittings)	DLD23012020
	12mm x 30m (Without Fittings)	DLD22012030	12mm x 30m (With Fittings)	DLD23012030
	E-spec® Garden Hose 20mm		E-spec® Garden Hose 20mm	
	20mm x 20m (Without Fittings)	DLD22020020	20mm x 20m (With Fittings)	DLD23020020
	20mm x 30m (Without Fittings)	DLD22020030	20mm x 30m (With Fittings)	DLD23020030

E-SPEC GARDEN HOSES



e-spec
DRAGLINE HOSE

E-Spec® Dragline Hose		
Product	Product Description	Code
	20mm x 30m (No Stripe)	I773020030
	20mm x 36m (No Stripe)	I773020036
	20mm x 100m (No Stripe)	I773020100

FEATURES:

- Working Pressure – 7 BAR
- Service Temperatures (0° - 50°)
- Abrasion Resistant
- 2 Layers & Reinforced
- UV Stabilised

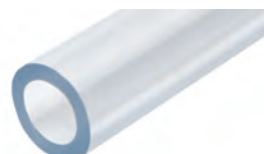
E-SPEC DRAGLINE HOSE

MEGAFLEX INDUSTRIAL HOSES

Marley's range of **MEGAFLEX** flexible PVC industrial hoses boasts high resistance to pressure and temperature and offers extreme durability and high abrasion resistance where it counts.

- Long lasting
- Lightweight
- Flexible
- Resistant to fuels, gases and chemicals
- Oil resistant and non-absorbent
- Tested for high burst and working pressures

MEGAFLEX® Industrial Hoses

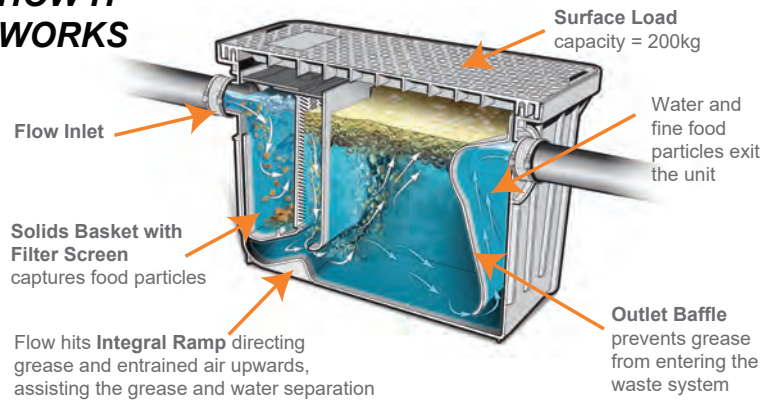
Product	Product Description	Code	Uses & Specifications
MEGAFLEX® I6001 Clear Thin Wall Industrial Hose			
	6mm x 30m	I6001006030CL	○ Low Pressure applications such as laboratory tubing, aquariums ○ Chemical and abrasion resistant ○ Good clarity
	8mm x 30m	I6001008030CL	
	10mm x 30m	I6001010030CL	
	12mm x 30m	I6001012030CL	
	16mm x 30m	I6001016030CL	
	20mm x 30m	I6001020030CL	
MEGAFLEX® I6002 Clear Thick Wall Industrial Hose			
	6mm x 30m	I6002006030CL	○ Low Pressure applications such as laboratory tubing, aquariums ○ Chemical and abrasion resistant ○ Good clarity
	8mm x 30m	I6002008030CL	
	10mm x 30m	I6002010030CL	
	12mm x 30m	I6002012030CL	
	16mm x 30m	I6002016030CL	
	20mm x 30m	I6002020030CL	
	25mm x 30m	I6002025030CL	
MEGAFLEX® I7009 Clear Reinforced Air Hose			
	6mm x 30m	I7009006030	CLEAR REINFORCED HOSE ○ High pressure applications such as air, diluted acids and oils ○ Good Chemical and abrasion resistant
	8mm x 30m	I7009008030	
	10mm x 30m	I7009010030	
	12mm x 30m	I7009012030	
	16mm x 30m	I7009016030	
	20mm x 30m	I7009020030	
	25mm x 30m	I7009025030	
	32mm x 30m	I7009032030	



FEATURES AND BENEFITS

- 92% plus Solids Captured
- Airtight seal to contain offensive odours and overflow
- Lightweight, compact and durable grease management solution
- Cost-effective and reliable system
- Can withstand temperatures up to 104°C
- Flexibility of installation – can be installed in-floor, on-floor, or semi-recessed
- Removable baffles, solids basket and filter screen for easy maintenance

HOW IT WORKS

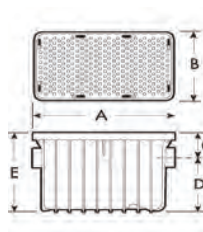


ENDURA GREASE TRAPS

Marley Grease Traps Complete With Solids Basket

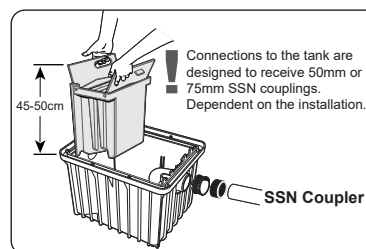
Description	Flow Rate	Code
Marley Endura Grease Trap 365L x 445W x 414H	0.94l/sec	MGT200
Marley Endura Grease Trap 600L x 445W x 414H	1.6l/sec	MGT500
Marley Endura Grease Trap 787L x 597W x 445H	3.2l/sec	MGT700
*L = length • W = width • H = height		
*No Solids Basket		

Spares are available on request subject to minimum order quantities and lead times.



	MGT200 0.9l/sec	MGT500 1.6l/sec	MGT700 3.2l/sec	MGT600 Lo Pro 1.6l/sec*
A	365mm	600mm	787mm	787mm
B	445mm	445mm	597mm	597mm
C	89mm	89mm	127mm	102mm
D	325mm	325mm	318mm	177mm
E	414mm	414mm	445mm	279mm

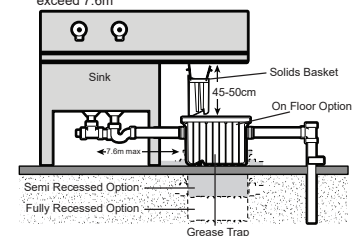
*No Solid Basket



Joint connection should only be done with a SSN Coupler (not included).

Typical Installation

! Minimum Solids Basket Clearance of 45-50cm is required for cleaning access. Distance between the sink and grease trap should not exceed 7.6m



CALCULATE FLOW RATES

Sink L x B x H = cm³
cm³ ÷ 1000 = Litres
Litres x 0.75(Factor) = Volume
Volume ÷ 60(Seconds) = Litres per second

Formula: (LxBxH) ÷ 1000 x 0.75 ÷ 60 = l

For flow rates lower than or equal to 1.6l/sec, use a MGT500.

For flow rates greater than 1.6l/sec up to 3.2l/sec use a MGT700



MAGNUM SADDLES



FEATURES & BENEFITS

- 16 Bar
- PN 16 (Blue) pressure rating.
- Nitrile sealing gasket for excellent sealing performance and chemical resistance.
- Suitable for contact with potable water.
- High grade polypropylene body selected for its tough, high impact, lightweight, and durable properties.
- Stainless steel reinforcing rings on threaded branch (PN 16 only).
- Bolt clips to facilitate easy assembly.
- Hexagon moulding to prevent bolt turning during assembly.
- Supplied with Zinc electroplated steel bolts and nuts.
- Stainless steel bolts and nuts as well as brass inserts are available on request, subject to min manufacturing quantity and lead times.

Product	Product Description	Code
	Magnum Saddles Ø25	
	25 x ¾" Magnum Saddle - PN16	08710252
	Magnum Saddles Ø32	
	32 x ¾" Magnum Saddle - PN16	08710322
	32 x 1" Magnum Saddle - PN16	08710323
	Magnum Saddles Ø40	
	40 x ¾" Magnum Saddle - PN16	08710402
	40 x 1" Magnum Saddle - PN16	08710403
	Magnum Saddles Ø50	
	50 x ¾" Magnum Saddle - PN16	08710502
	50 x 1" Magnum Saddle - PN16	08710503
	Magnum Saddles Ø63	
	63 x ¾" Magnum Saddle - PN16	08710632
	63 x 1" Magnum Saddle - PN16	08710633
	63 x 1¼" Magnum Saddle - PN16	08710634
	63 x 1½" Magnum Saddle - PN16	08710635
	Magnum Saddles Ø75	
	75 x ¾" Magnum Saddle - PN16	08710752
	75 x 1" Magnum Saddle - PN16	08710753
	75 x 1¼" Magnum Saddle - PN16	08710754
	75 x 1½" Magnum Saddle - PN16	08710755
	75 x 2" Magnum Saddle - PN16	08710756
	Magnum Saddles Ø90	
	90 x ¾" Magnum Saddle - PN16	08710902
	90 x 1" Magnum Saddle - PN16	08710903
	90 x 1¼" Magnum Saddle - PN16	08710904
	90 x 1½" Magnum Saddle - PN16	08710905
	90 x 2" Magnum Saddle - PN16	08710906
	Magnum Saddles Ø110	
	110 x ¾" Magnum Saddle - PN16	08711102
	110 x 1" Magnum Saddle - PN16	08711103
	110 x 1¼" Magnum Saddle - PN16	08711104
	110 x 1½" Magnum Saddle - PN16	08711105
	110 x 2" Magnum Saddle - PN16	08711106
	Magnum Saddles Ø160	
	160 x ¾" Magnum Saddle - PN16	08721602
	160 x 1" Magnum Saddle - PN16	08711603
	160 x 1½" Magnum Saddle - PN16	08711605
	160 x 2" Magnum Saddle - PN16	08711606



Marley's offering of compression fittings are for use with high density polyethylene pipes dedicated to fluid reticulation. They can be used in irrigation, potable water systems, including many other suitable installations in the engineering and related environments. Marley is a ISO 9001 certified company.

RANGE

The size range is from 16 mm up to 110 mm. Fittings provided with female thread have stainless steel reinforcement on sizes of 1 ¼" or larger.

MATERIALS

The body and nut are made of polypropylene co-polymer, the Split & Locating Ring in white POM resin, the O-ring in NBR and the reinforcing ring in 430 stainless steel.

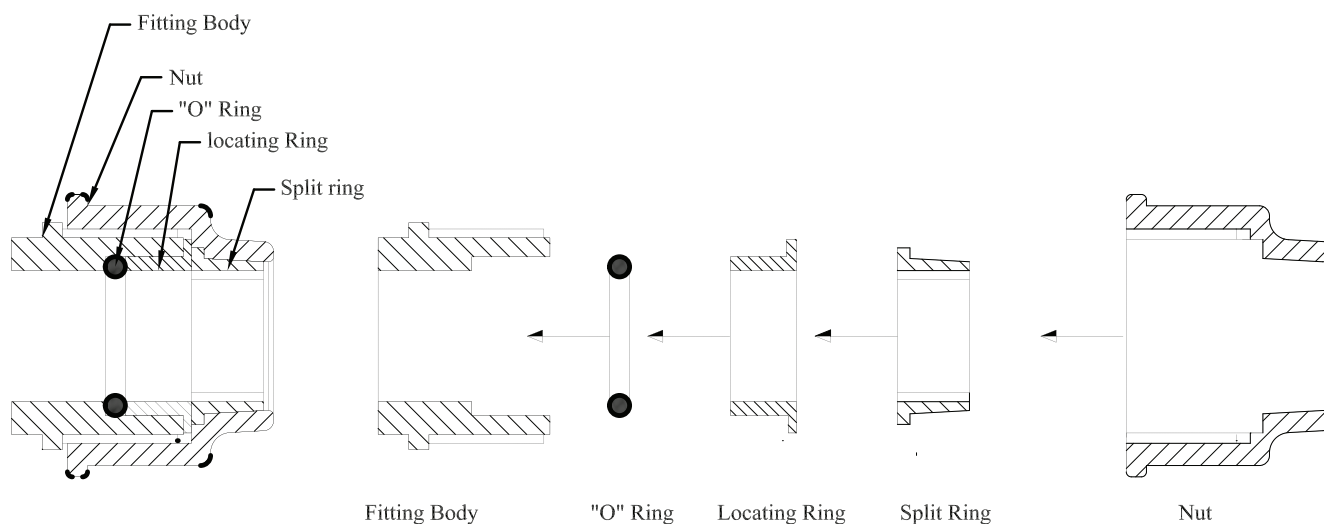
REFERENCE STANDARDS

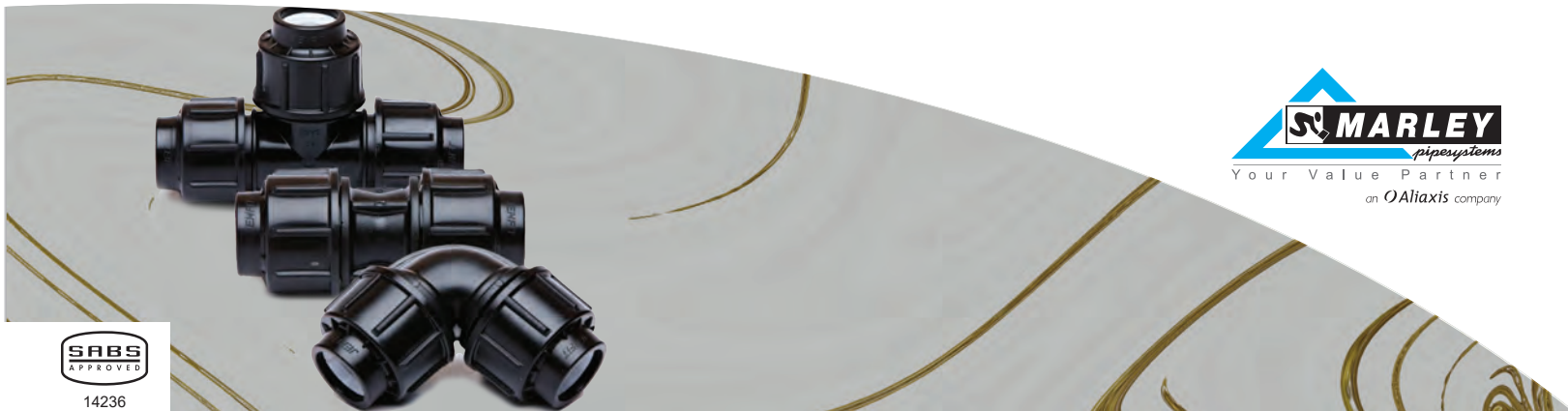
Marley's offering of compression fittings are manufactured in compliance with the requirements of standards ISO 3458, ISO3459, ISO 3501, ISO 3503, ISO 14236, DIN 8076-3, UNI 9561 and carry the SABS mark of approval. The fittings can be installed on PE pipes which are in compliance with standards SANS 4427, DIN 8072, DIN 8074, UNI 10910, UNI EN 12201. The threaded fittings are manufactured in compliance with ISO R7.

PRESSURE RATINGS AT 20°C

Fitting Size (mm)	Pressure Rating (bar)
16-63	16
75-110	10

MARLEY'S OFFERING OF COMPRESSION FITTINGS:

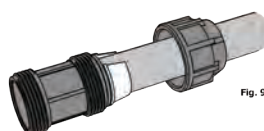
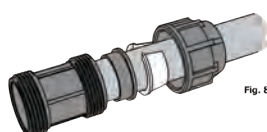
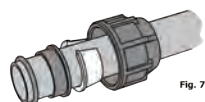
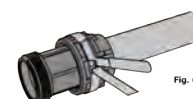
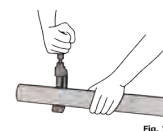




COUPLING

16-63mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, Split & Locating Ring and O-ring on the mouth of the pipe. Fig 2
- Insert the pipe end and O-ring into the body of the joint; up to the insertion depth tab. Fig 3
- Push the Split & Locating Ring into the body of the joint. Fig 4
- Engage the nut and fully tighten. The nut can be tightened manually up to fittings of 32 mm diameter. It is advisable to use a strap or plumbing wrench for larger diameter fittings. Fig 5 & 6

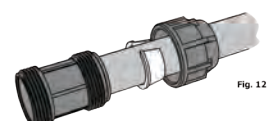
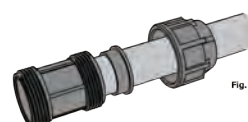
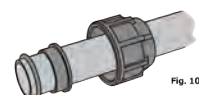


75-90mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, Split & Locating Ring, and O-ring on the mouth of the pipe. Fig 7
- Lubricate the pipe and the O-ring. Insert the pipe end and O-ring into the body of the joint; up to the insertion depth tab. Fig 8
- Push the Locating Ring into the body of the joint. Slide the Split Ring up to the Locating Ring. Fig 9
- Engage the nut and fully tighten with a strap or plumbing wrench. Fig 5 & 6

110mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, Locating Ring and O-ring on the mouth of the pipe. Fig 10
- Lubricate the pipe and the O-ring. Insert the pipe end and O-ring into the body of the joint; up to the insertion depth tab. Fig 11
- Push the Locating Ring into the body of the joint and fasten the nut.
- Unfasten the Locating Ring and slip the Split Ring over the pipe. Slide the Split Ring up to the Locating Ring. Fig 12
- Engage the nut and fully tighten with a strap or plumbing wrench. Fig 5 & 6





MALE ADAPTOR

Code	Size
ADM20X1	20mm X 1"
ADM20X1/2	20mm X 1/2"
ADM20X3/4	20mm X 3/4"
ADM25X1	25mm X 1"
ADM25X1/2	25mm X 1/2"
ADM25X3/4	25mm X 3/4"
ADM32X1	32mm X 1"
ADM32X11/2	32mm X 1 1/2"
ADM32X11/4	32mm X 1 1/4"
ADM32X3/4	32mm X 3/4"
ADM40X1	40mm X 1"
ADM40X11/2	40mm X 1 1/2"
ADM40X11/4	40mm X 1 1/4"
ADM40X3/4	40mm X 3/4"
ADM50X1	50mm X 1"
ADM50X11/2	50mm X 1 1/2"
ADM50X11/4	50mm X 1 1/4"
ADM50X2	50mm X 2"
ADM63X11/2	63mm X 1 1/2"
ADM63X11/4	63mm X 1 1/4"
ADM63X2	63mm X 2"
ADM63X21/2	63mm X 2 1/2"



MALE ELBOW 90°

Code	Size
ELM20X1	20mm X 1"
ELM20X1/2	20mm X 1/2"
ELM20X3/4	20mm X 3/4"
ELM25X1	25mm X 1"
ELM25X1/2	25mm X 1/2"
ELM25X3/4	25mm X 3/4"
ELM32X1	32mm X 1"
ELM32X11/4	32mm X 1 1/4"
ELM32X3/4	32mm X 3/4"
ELM40X1	40mm X 1"
ELM40X11/2	40mm X 1 1/2"
ELM40X11/4	40mm X 1 1/4"
ELM40X3/4	40mm X 3/4"
ELM50X1	50mm X 1"
ELM50X11/2	50mm X 1 1/2"
ELM50X11/4	50mm X 1 1/4"
ELM50X2	50mm X 2"
ELM63X11/2	63mm X 1 1/2"
ELM63X2	63mm X 2"
ELM63X21/2	63mm X 2 1/2"



EQUAL TEE

Code	Size
TEE20	20mm
TEE25	25mm
TEE32	32mm
TEE40	40mm
TEE50	50mm
TEE63	63mm



COUPLING

Code	Size
COU20X20	20mm
COU25X25	25mm
COU32X32	32mm
COU40X40	40mm
COU50X50	50mm
COU63X63	63mm



END CAP

Code	Size
END20	20mm
END25	25mm
END32	32mm
END40	40mm
END50	50mm
END63	63mm



EQUAL ELBOW 90°

Code	Size
ELE20	20mm
ELE25	25mm
ELE32	32mm
ELE40	40mm
ELE50	50mm
ELE63	63mm



REDUCING COUPLING

Code	Size
COR25-20	25mm X 20mm
COR32-20	32mm X 20mm
COR32-25	32mm X 25mm
COR40-20	40mm X 20mm
COR40-25	40mm X 25mm
COR40-32	40mm X 32mm
COR50-25	50mm X 25mm
COR50-32	50mm X 32mm
COR50-40	50mm X 40mm
COR63-32	63mm X 32mm
COR63-40	63mm X 40mm
COR63-50	63mm X 50mm



FEMALE ADAPTOR

Code	Size
ADF20X1/2	20mm X 1/2"
ADF20X3/4	20mm X 3/4"
ADF25X1	25mm X 1"
ADF25X1/2	25mm X 1/2"
ADF25X3/4	25mm X 3/4"
ADF32X1	32mm X 1"
ADF32X1/2	32mm X 1/2"
ADF32X11/4	32mm X 1 1/4"
ADF32X3/4	32mm X 3/4"
ADF40X1	40mm X 1"
ADF40X11/2	40mm X 1 1/2"
ADF40X11/4	40mm X 1 1/4"
ADF50X1	50mm X 1"
ADF50X11/2	50mm X 1 1/2"
ADF50X11/4	50mm X 1 1/4"
ADF50X2	50mm X 2"
ADF63X11/2	63mm X 1 1/2"
ADF63X2	63mm X 2"
ADF63X21/2	63mm X 2 1/2"

75mm – 110mm available on request



FEMALE ELBOW 90°

Code	Size
ELF20X1/2	20mm X 1/2"
ELF20X3/4	20mm X 3/4"
ELF25X1	25mm X 1"
ELF25X1/2	25mm X 1/2"
ELF25X3/4	25mm X 3/4"
ELF32X1	32mm X 1"
ELF32X1/2	32mm X 1/2"
ELF32X11/4	32mm X 1 1/4"
ELF32X3/4	32mm X 3/4"
ELF40X1	40mm X 1"
ELF40X11/2	40mm X 1 1/2"
ELF40X11/4	40mm X 1 1/4"
ELF40X3/4	40mm X 3/4"
ELF50X1	50mm X 1"
ELF50X11/2	50mm X 1 1/2"
ELF50X11/4	50mm X 1 1/4"
ELF50X2	50mm X 2"
ELF63X11/2	63mm X 1 1/2"
ELF63X2	63mm X 2"
ELF63X21/2	63mm X 2 1/2"



FEMALE TEE

Code	Size
TEF20X1/2	20mm X 1/2"
TEF20X3/4	20mm X 3/4"
TEF25X1	25mm X 1"
TEF25X1/2	25mm X 1/2"
TEF25X3/4	25mm X 3/4"
TEF32X1	32mm X 1"
TEF32X1/2	32mm X 1/2"
TEF32X11/2	32mm X 1 1/2"
TEF32X11/4	32mm X 1 1/4"
TEF32X3/4	32mm X 3/4"
TEF40X1	40mm X 1"
TEF40X11/2	40mm X 1 1/2"
TEF40X11/4	40mm X 1 1/4"
TEF40X3/4	40mm X 3/4"
TEF50X1	50mm X 1"
TEF50X11/2	50mm X 1 1/2"
TEF50X11/4	50mm X 1 1/4"
TEF50X2	50mm X 2"
TEF63X11/2	63mm X 1 1/2"
TEF63X2	63mm X 2"
TEF63X21/2	63mm X 2 1/2"



MALE TEE

Code	Size
TEM20X1	20mm X 1"
TEM20X1/2	20mm X 1/2"
TEM20X3/4	20mm X 3/4"
TEM25X1	25mm X 1"
TEM25X1/2	25mm X 1/2"
TEM25X3/4	25mm X 3/4"
TEM32X1	32mm X 1"
TEM32X11/2	32mm X 1 1/2"
TEM32X11/4	32mm X 1 1/4"
TEM32X3/4	32mm X 3/4"
TEM40X1	40mm X 1"
TEM40X11/2	40mm X 1 1/2"
TEM40X11/4	40mm X 1 1/4"
TEM50X11/2	50mm X 1 1/2"
TEM50X11/4	50mm X 1 1/4"
TEM50X2	50mm X 2"
TEM63X11/2	63mm X 1 1/2"
TEM63X2	63mm X 2"
TEM63X21/2	63mm X 2 1/2"

75mm – 110mm available on request

Procedure for inserting pipe into compression fittings, not necessary to disassemble the fitting.

STEP 1:

Loosen nut anti-clockwise by hand



STEP 2:

Insert pipe through split ring, locating ring and O-ring, and up against the stopper



STEP 3:

Tighten nut clockwise by hand



Note : Ensure that the outside diameter of the HDPE pipe is according to SANS standards

HDPE PIPE DIMENSIONS

Working Pressure PE 100	PN6	PN8	PN10	PN12	PN16	PN20	PN25
OD/Standard Dimension Ratio (SDR)	Class 26	Class 21	Class 17	Class 13.6	Class 11	Class 9	Class 7.4
Size mm	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m
16 mm					0.08		
20 mm				0.1	0.116	0.133	0.163
25 mm				0.149	0.17	0.211	0.242
32 mm			0.194	0.231	0.279	0.328	0.388
40 mm			0.294	0.361	0.431	0.511	0.605
50 mm	0.311	0.372	0.453	0.55	0.668	0.792	0.943
63 mm	0.492	0.578	0.721	0.876	1.056	1.265	1.482
75 mm	0.673	0.827	1.018	1.241	1.475	1.777	2.111
90 mm	0.977	1.186	1.463	1.778	2.137	2.563	3.024
110 mm	1.434	1.78	2.177	2.634	3.169	3.809	4.532

A LEGACY OF QUALITY, TECHNOLOGY AND PERFORMANCE

HDPE pipes are recommended for their endurance in the field – giving engineers and contractors alike the confidence in specifying a quality brand that meets the highest demands from clients and for different applications.

HDPE Pipe systems are manufactured to, and carry the SABS mark of trusted quality for SANS ISO 4427 and are available in diameters from 20mm up to 110mm.

JOINTING METHODS

- **Butt Weld**
- **Electrofusion**
- **Compression Fittings**

FEATURES & BENEFITS

- **High Impact Strength:** ensures a greater resistance to the rigours of pipe laying conditions
- **Damage Resistance:** as a result of low notch sensitivity
- **Ease of Installation:** owing to light weight and availability in long lengths
- **High Flow Capacity:** lower friction factors than most non-plastic materials
- **Long Life:** provides a long, maintenance-free lifetime with low whole life costs
- **Good Chemical and Corrosion Resistance**
- **Flexibility:** can be bent to a minimum bending radius of 30 times the pipe's outside diameter
- **Good Abrasion Resistance**
- **Good UV Resistance:** inclusion of carbon black in raw material stabilises against direct sunlight
- **Cost-effectiveness:** providing value over time



HDPE CORRUGATED SLOTTED DRAINAGE & CABLE DUCT PIPES

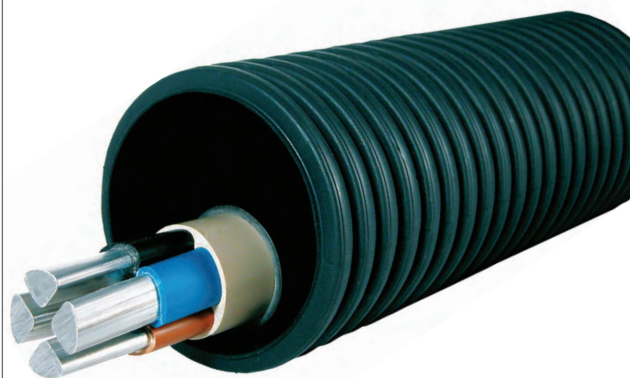
HDPE Corrugated Slotted Drainage Pipe

HD.DRAIN110.6 - 110mm x 6m length HDPE Corrugated Slotted Drainage Pipe
HD.DRAIN110.50 - 110mm x 50m coil HDPE Corrugated Slotted Drainage Pipe
HD.DRAIN160.6 - 160mm x 6m length HDPE Corrugated Slotted Drainage Pipe



HDPE Corrugated Cable Duct Pipe

HD.DUCT110.6 - 110mm x 6m length HDPE Corrugated Cable Duct Pipe
HD.DUCT110.50 - 110mm x 50m coil HDPE Corrugated Cable Duct Pipe
HD.DUCT160.6 - 160mm x 6m length HDPE Corrugated Cable Duct Pipe



FEATURES & BENEFITS

- Double wall corrugation provides high ring stiffness
- Smooth bore ensures easy draw-in of cables
- Good chemical and corrosion resistance
- Ease of installation due to light weight
- High impact strength ensures greater damage resistance
- Compression (Normal Duty) < 450N
- Excellent abrasion resistance
- Ensures long service life with minimal maintenance

*Available in 2 nominal diameters: 110mm and 160mm
in 6m lengths or 50m coils.*

50mm & 75mm coils available
on special request



Marley's offering of HDPE corrugated slotted drainage & cable duct pipe are designed to facilitate the drainage of motorways, roads, airfields, railways, tunnels and orchards.

Marley Systems will meet the needs of the engineer concerned with the drainage problems of almost any major construction and meets the requirements of EN ISO 9969.

Marley's offering of HDPE corrugated slotted drainage & cable duct pipe provides all the advantages of HDPE such as lightweight, ease of handling and laying, smooth bore, resistance to abrasion and resistance to the aggressive agents sometimes present in soil and water.

Seal rings may be fitted to the fittings, as required by the engineer. Rodding and cleaning eyes can be incorporated in the system to clean out any siltbuild up or root ingress.

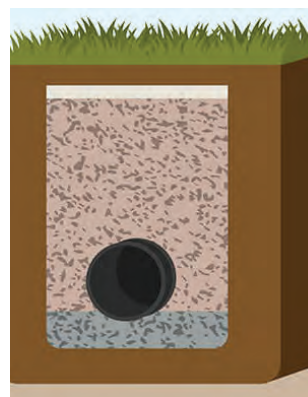
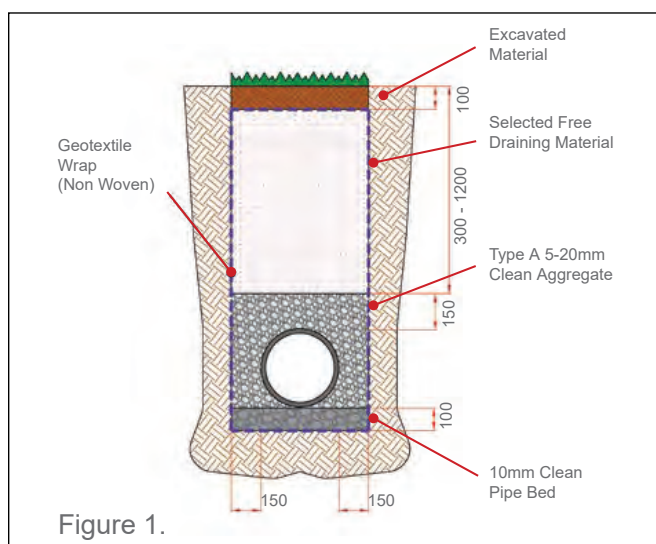
HANDLING AND STORAGE

Marley's offering of HDPE corrugated slotted drainage & cable duct pipe are light and easy to handle. Pipes should be stacked in pyramid form or alternatively, not more than 1 metre high on level ground on suitable racking.

TRENCH CONSTRUCTION AND PIPE LAYING

Trenches should be cut as accurate as possible. Loose soil must not be allowed to contaminate the filter material. Filter material and backfill will generally be specified by the engineer.

Filter cloth may be incorporated as a trench lining. Trench widths should be kept within the limits shown in figure 1.





NOTES

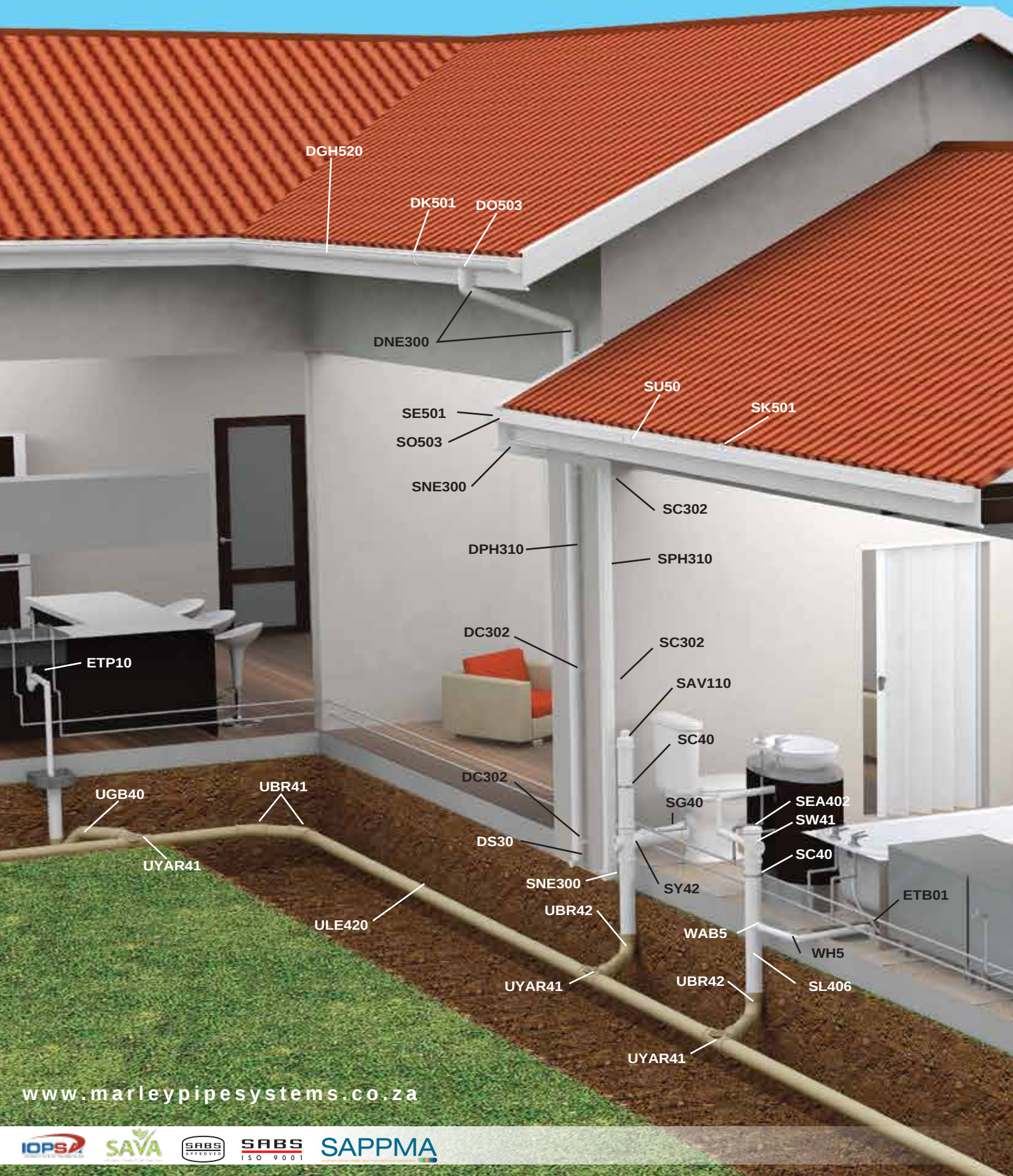


NOTES

BRANCH OFFICES

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