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PRODUCT Catalogue



LAT17

LAT16

ETP11

WBE51

WHB5

SGH40

WBE51

UAP43

WBE51

WPE313

WBE51

UBR41

UYAR41

UBR41

UGB40

WAB5

UYAR42

UYAR42

THIS ILLUSTRATION SERVES AS A GUIDELINE ONLY

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about

MARLEY PIPE SYSTEMS

Marley Pipe Systems, is part of the Aliaxis worldwide group of companies . In Southern Africa we are recognized as the trusted name in fluid handling solutions, with our offering of an extensive range of pipes , fittings and related products .

For the past 5 decades we have set the standard to both the plumbing and building industries in respect to legislative compliance , product support , quality assurance and customer service.

The combination of all these factors is what sets Marley Pipe Systems apart making us your natural choice as “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 .

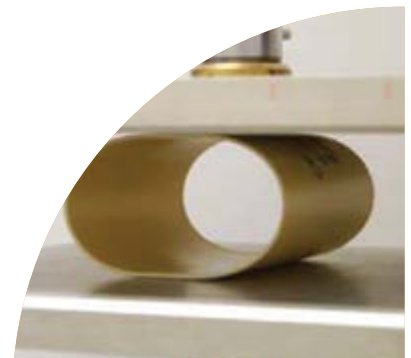
*Fabricated Fittings (non-SABS)

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 Rubbering	2.3	1.20	
UL620	160	6	Plain Ended	3.2	2.55	
UZN620	160	6	Socketed Rubbering	3.2	2.55	
UL820	200	6	Plain Ended	3.9	3.91	
UZN820	200	6	Socketed Rubbering	3.9	3.91	
Heavy duty pipe, Class 34, SABS 791						
ULH420	110	6	Plain Ended	3.2	1.62	
UZH420	110	6	Socketed Rubbering	3.2	1.62	
ULH620	160	6	Plain Ended	4.7	3.67	
UZH620	160	6	Socketed Rubbering	4.7	3.67	
UZH820	200	6	Socketed Rubbering	5.9	5.63	
SABS 1601 Pipe 100kPa, 200kPa & 400kPa Maincore						
ULE420	110	6	Plain Ended	1.85	1.04	
ULE422	110	6	Plain Ended	2.40	1.30	
UZF620	160	6	Socketed Rubbering	4.4	3.50	



















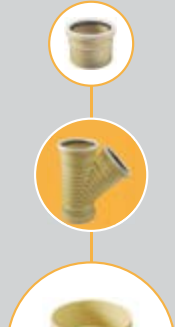
UPVC UNDERGROUND PIPES

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.









UNDERGROUND FITTINGS






<p>45° Plain Bend 1/8</p> <p>UBR41 - 110mm</p> 	<p>87.5° Plain Bend 1/4</p> <p>UBR42 - 110mm</p> 	<p>45° Access Bend 1/8</p> <p>UBR43 - 110mm</p> 	<p>87.5° Access Bend 1/4</p> <p>UBR45 - 110mm</p> 	<p>22.5° Bend 1/16 (Socket/Socket)</p> <p>UBRS40 - 110mm</p> 
<p>22.5° Plain Spigot/Socket Bend 1/16</p> <p>UB40 - 110mm UB60 - 160mm UB80 - 200mm</p> 	<p>Solvent Socket</p> <p>UES400 - 110mm</p> 	<p>Single Socket</p> <p>UE400 - 110mm UE600 - 160mm</p> 	<p>Double Socket</p> <p>UE401 - 110mm *UE601 - 160mm (Refer RED1) *UE801 - 200mm (Refer RED1)</p> 	<p>Kimberley Socket</p> <p>UK40 - 110mm *UK60 - 160mm (Refer RED1) UK80 - 200mm</p> 
<p>Inspection Pipe</p> <p>UF40 - 110mm UF60 - 160mm</p> 	<p>87.5° Square Junction</p> <p>UY42 - 110mm *UY62 - 160mm *UY82 - 200mm</p> 	<p>45° Reducing Junction</p> <p>UY64 - 160mm x 110mm *UY84 - 200mm x 160mm (Refer RED1)</p> 	<p>45° Access Reducing Junction Right</p> <p>UYA63 - 160mm x 110mm *UYA83 - 200mm x 160mm</p> 	<p>45° Access Reducing Junction Left</p> <p>UYA64 - 160mm x 110mm *UYA84 - 200mm x 160mm</p> 
<p>45° Access Junction Right</p> <p>UYAR41 - 110mm</p> 	<p>45° Access Junction Left</p> <p>UYAR42 - 110mm</p> 	<p>45° Plain Junction</p> <p>UYR41 - 110mm</p> 		

*Fabricated Fittings (non-SABS)

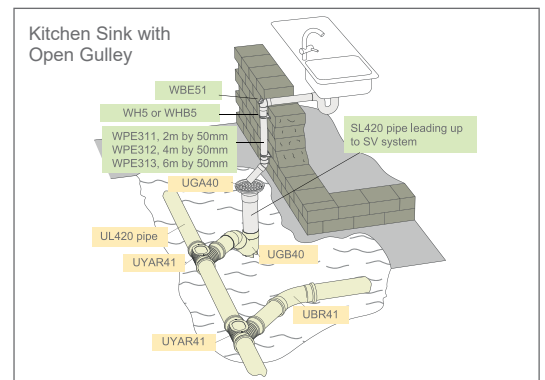
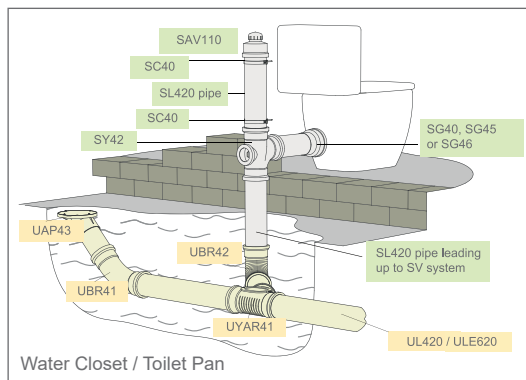


1601 & 791

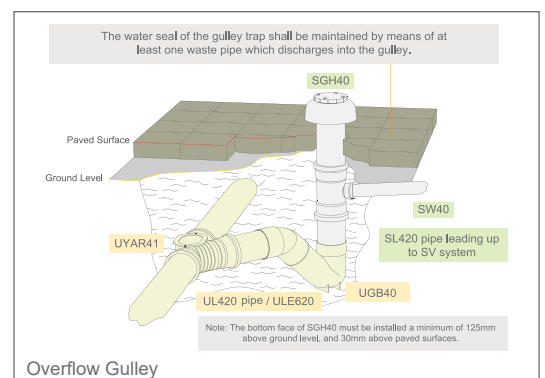
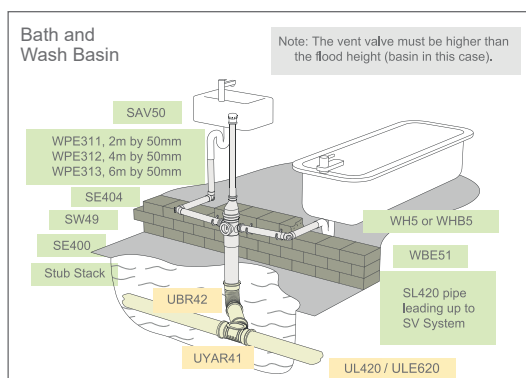
Gully "P" Trap	Gully Head & Grate	Gully Round Grate	Access Stopend Solvent Weld	Plain Stopend (Female)	Plain Stopend (Male)
UGB40 - 110mm x 110mm	UGA40 - 150mm x 110mm	UGG40 - 190mm	UAP42 - 110mm *UAP62 - 160mm (Refer Redi) *UAP82 - 200mm	UAP40 - 110mm *UAP60 - 160mm *UAP80 - 200mm	UAP41 - 110mm *UAP61 - 160mm *UAP81 - 200mm
					

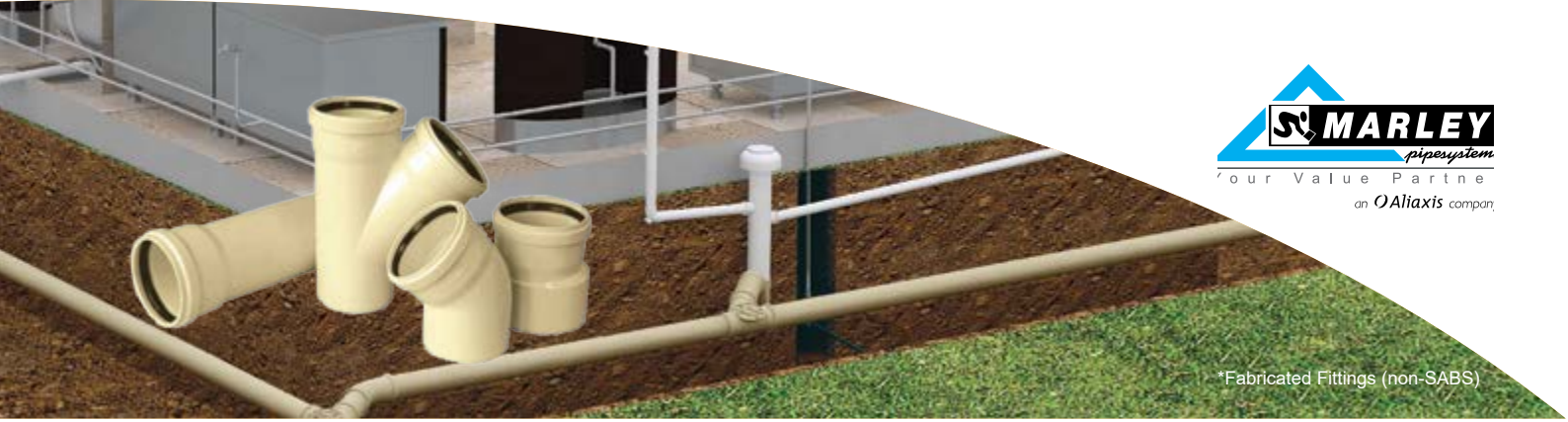
45° Rodding Eye	45° Rodding Eye Oval	90° Rodding Eye	Adaptor Female PVC/CI	Adaptor Female PVC/EW
UAP43 - 110mm *UAP63 - 160mm *UAP83 - 200mm	UAP430 - 110mm	UAP44 - 100mm *UAP64 - 160mm *UAP83 - 200mm	UA41 - 110mm *UA61 - 160mm *UA81 - 200mm	UE41 - 110mm *UE61 - 160mm *UE81 - 200mm
				

Bend Long Radius	
45° UB41L - 110mm UB61L - 160mm UB81L - 200mm	90° UB42L - 110mm UB62L - 160mm UB82L - 200mm
	














Grease Trap
*GRTR110 - 110mm *GRTR160 - 160mm



*Fabricated Fittings (non-SABS)

REDI LARGE BORE FITTINGS

<p>Access Stopped</p> <p>*UAP621651603 – 160mm</p> 	<p>45° Plain Bend Double Socketed</p> <p>*UB61S23165 – 160mm</p> 	<p>87.5° Plain Bend Double Socketed</p> <p>*UB62S24165 – 160mm *UB8224215 – 200mm</p> 	<p>Double Socket</p> <p>*UE60163165 – 160mm *UE80163205 – 200mm</p> 
<p>Adaptor PVC to EW Spigot/Socket</p> <p>*UE6162165 – 160mm</p> 	<p>Kimberley Socket</p> <p>*UK6061165 – 160mm</p> 	<p>45° Plain Junction</p> <p>*UY6144165 – 160mm</p> 	<p>87.5° Plain Square Junction</p> <p>*UY6245165 – 160mm</p> 
<p>45° Plain Reducing Junction</p> <p>*UY84312151 – 200mm x 160mm</p> 	<p>Non-Return Valves</p> <p>*1555551 – 110mm *1551691 – 160mm</p> 	<p>Taper Pipe</p> <p>*UT600 160mm x 110mm</p> 	<p>REDI</p>




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.
















REDI fittings are manufactured according to EN1452-2 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.

*Fabricated Fittings (non-SABS)





















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
	SL412	110	4	Plain Ended	3.50	1.66
	SL320	75	6	Plain Ended	3.50	0.78
	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

<p>Kimberley Socket</p> <p>SE302 - 75mm SE402 - 110mm *SE602 - 160mm</p> 	<p>Single Socket</p> <p>SE300 - 75mm SE400 - 110mm / SE400E (E-Spec) SE600 - 160mm</p> 	<p>Double Socket</p> <p>SE401 - 110mm *SE601 - 160mm</p> 	<p>Solvent Socket</p> <p>SES400 - 110mm</p> 	<p>87.5° Plain Bend</p> <p>SB30 - 75mm SB40 - 110mm</p> 
<p>87.5° Access Heel Bend</p> <p>SB31 - 75mm SB41 - 110mm</p> 	<p>135° Plain Bend</p> <p>*SB38 - 75mm SB48 - 110mm</p> 	<p>135° Access Heel Bend</p> <p>*SB39 - 75mm SB49 - 110mm</p> 	<p>135° Plain Bend Double Socket</p> <p>SBS48 - 110mm</p> 	<p>87.5° Vent Horn Access Heel Bend</p> <p>SB400 - 110mm</p> 
<p>Inspection Pipe</p> <p>SF31 - 75mm SF41 - 110mm</p> 	<p>87.5° Plain Single Junction</p> <p>*SY31 - 75mm SY41 - 110mm / SY41E (E-Spec) *SY61 - 160mm</p> 	<p>87.5° Single Access Heel Junction</p> <p>SY32 - 75mm SY42 - 110mm / SY42E (E-Spec) *SY62 - 160mm</p> 	<p>135° Single Plain Junction</p> <p>SY39 - 75mm SY49 - 110mm</p> 	<p>135° Single Access Heel Junction</p> <p>SY300 - 75mm SY400 - 110mm</p> 




*Fabricated Fittings (non-SABS)





UPVC SOIL AND VENT SYSTEMS

<p>87.5° Plain Single Reducing Junction</p> <p>*SW30 - 75mm x 50mm *SW40 - 110mm x 50mm *SW60 - 160mm x 110mm</p> 	<p>87.5° Single Access Heel Reducing Junction</p> <p>*SW31 - 75mm x 50mm *SW41 - 110mm x 50mm *SW61 - 160mm x 110mm</p> 	<p>87.5° Plain Double Reducing Junction</p> <p>SW48 - 110mm x 50mm</p> 	<p>87.5° Double Access Heel Reducing Junction</p> <p>SW49 - 110mm x 50mm</p> 	<p>87.5° Plain Double Junction</p> <p>*SY403 - 110mm x 110mm</p> 
<p>87.5° Double Access Heel Junction</p> <p>*SY404 - 110mm x 110mm</p> 	<p>Strap on Boss</p> <p>WAB5 - 110mm x 50mm</p> 	<p>Airvent Cowl</p> <p>SV32 - 75mm SV42 - 110mm</p> 	<p>Straight Pan Collar - Solvent Weld</p> <p>SG40 - 110mm</p> 	<p>Pan Collar - WC Offset</p> <p>SG45 - 110mm</p> 
<p>Pan Collar - Straight Rubber Ring</p> <p>SG46 - 110mm</p> 	<p>87.5° Pan Collar Plain Bend</p> <p>ST44 - 110mm</p> 	<p>87.5° Pan Collar Access Heel Bend</p> <p>ST41 - 110mm</p> 	<p>Overflow Gully Head</p> <p>SGH40 - 110mm</p> 	<p>Eccentric Reducer</p> <p>SE304 - 75mm x 50mm SE404 - 110mm x 50mm SE405 - 110mm x 75mm SE604 - 160mm x 110mm</p> 
<p>Stopends Plain (Male)</p> <p>*SE303 - 75mm SE403 - 110mm *SE603 - 160mm</p> 	<p>Stopend Access</p> <p>SEA402 - 110mm</p> 	<p>Two Way Vent Valve</p> <p>SAV110BG (Bagged) - 110mm SAV110 (Boxed) - 110mm</p> 	<p>Multikwik Pan Connector</p> <p>*MKS2 - Straight Pan Connector 110mm *MK02 - Offset Pan Connector</p> 	<p>Multikwik WC Connector</p> <p>*MKC2 - 225mm x 500mm</p> 

*Fabricated Fittings (non-SABS)

WASTE PIPE				SABS 967		
	Code	Size (mm)	Length (m)	Type	Wall Thickness (mm)	Weight (kg/m)
	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
	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

<p>87.5° E-Spec Plain Bend Solvent Weld</p> <p>WBE40 - 40mm WBE50 - 50mm</p> 	<p>87.5° E-Spec Access Heel Bend Solvent Weld</p> <p>WBE41 - 40mm WBE51 - 50mm</p> 	<p>135° E-Spec Plain Bend Solvent Weld</p> <p>WBE42 - 40mm WBE52 - 50mm</p> 	<p>135° E-Spec Access Heel Bend Solvent Weld</p> <p>WBE43 - 40mm WBE53 - 50mm</p> 	<p>87.5° E-Spec Plain Single Junction Solvent Weld</p> <p>WTE40 - 40mm WTE50 - 50mm</p> 
<p>87.5° E-Spec Access Heel Single Junction Solvent Weld</p> <p>WTE41 - 40mm WTE51 - 50mm</p> 	<p>135° E-Spec Plain Single Junction Solvent Weld</p> <p>WT42 - 40mm WTE52 - 50mm</p> 	<p>135° E-Spec Access Heel Single Junction Solvent Weld</p> <p>WT43 - 40mm WTE53 - 50mm</p> 	<p>Socket (Solvent)</p> <p>WS4 - 40mm WS5 - 50mm</p> 	<p>Socket Reducer</p> <p>WR5 - 50mm x 40mm</p> 
<p>Double Socket</p> <p>WRS5 - 50mm x 40mm</p> 	<p>Airvent Cowl</p> <p>WV52 - 50mm</p> 	<p>Stopend - BSP</p> <p>WA4 - 40mm WA5 - 50mm</p> 	<p>Female Stopend Solvent Weld</p> <p>WA400 - 40mm WA500 - 50mm</p> 	<p>uPVC Pipe Clip</p> <p>WH4 - 40mm WH5 - 50mm</p> 

UPVC WASTE FITTINGS



*Fabricated Fittings (non-SABS)

UPVC WASTE FITTINGS & WASTE TRAPS

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	Single unit
WHB4 - 40mm	WHB4S - 40mm
WHB5 - 50mm	WHB5S - 50mm




Vent Valve

One Way (Boxed)	Two Way (Boxed)
WAV50 - 50mm	SAV50 - 50mm
WAV50BG - 50mm (Bagged)	SAV50BG - 50mm (Bagged)



White Plain Bath Trap Adaptor & Overflow

ETA28 - 32mm x 40mm
ETB01 - 38mm x 50mm



White Double Sink Combo "T" Piece & Elbow

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



Pipe Clamp for Waste Traps

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



White Mini 'P' Trap and Standard Connector



White Double Sink 'T' Piece & Elbow

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



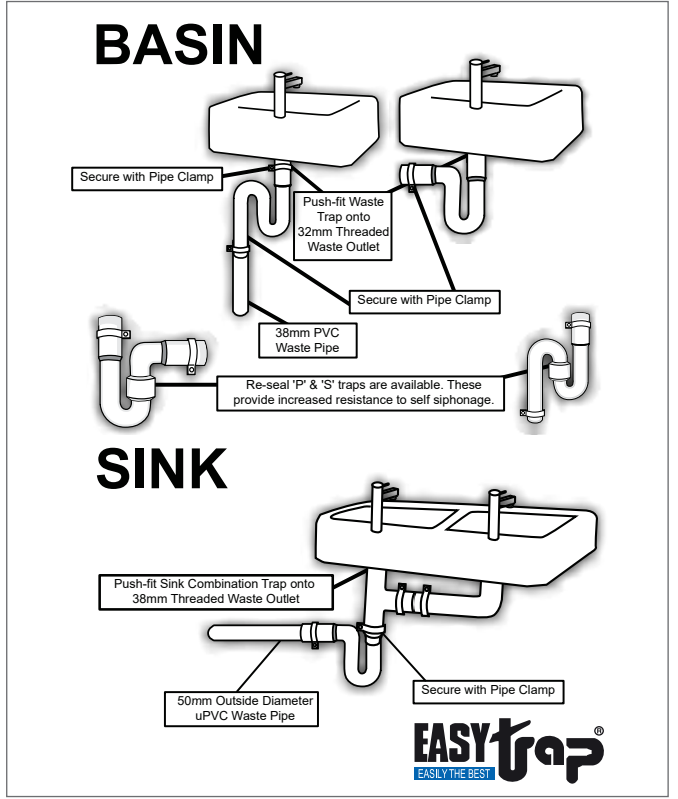
White 'P' Trap (with Re-Seal)

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



White 'S' Trap

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

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

*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 non-flammable lubricants, pressure & non-pressure solvent weld cement, cleaning fluid, gel for pressure pipes, aluminium holderbats and wax pan seals.

Look to Marley for your one-stop plumbing needs.




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


Marley Non-pressure Solvent Cement	
KS6 - 250ml Tin KS6B - 250ml Tin with Brush KS20 - 500ml Tin	KS20B - 500ml Tin with Brush
	

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

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


Wax Pan Seal
WAXSL1


General Purpose Lubricant
ML6 - 200ml ML30 - 1l


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




Universal Shower Traps - Square Grid

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



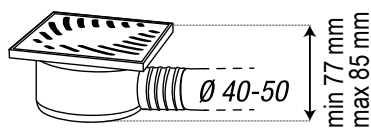
Standard Shower Traps

Shallow Seal - P50SSHC
Medium Seal - P50MSHC



INSTALLATION INSTRUCTIONS

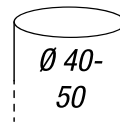
The Marley Universal Shower Trap offers the choice of a vertical or horizontal outlet.



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 pipe into the shower trap outlet. Allow to dry.

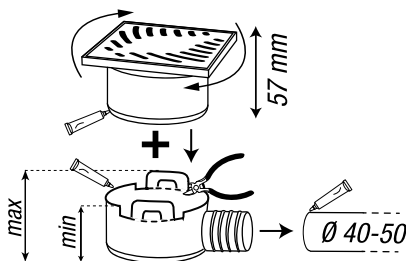


VERTICAL OUTLET

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.

Standard Latco 100 kPa

LAT27 - Twin Pack - BSP



Standard Latco 100 kPa

LAT25 - Pressure Control Valve - BSP



Standard Latco 100 kPa

LAT26 - Combined Expansion Relief Valve / Vacuum Breaker - BSP



Neptune 100 kPa - Blue

LAT12 - Twin Pack - BSP



Neptune 100 kPa - Blue

LAT10 - Pressure Control Valve - BSP




Neptune 100 kPa - Blue

LAT11 - Combined Expansion Relief Valve / Vacuum Breaker - BSP



Neptune 200 kPa - Black

LAT15 - Twin Pack - BSP



Neptune 200 kPa - Black

LAT13 - Pressure Control Valve - BSP



Neptune 200 kPa - Black

LAT14 - Combined Expansion Relief Valve / Vacuum Breaker - BSP



Neptune 400 kPa - Red

LAT18 - Twin Pack - BSP



Neptune 400 kPa - Red

LAT16 - Pressure Control Valve - BSP



Neptune 400 kPa - Red

LAT17 - Combined Expansion Relief Valve / Vacuum Breaker - BSP



Neptune 600 kPa - Green

LAT602 - Twin Pack - BSP



Neptune 600 kPa - Green

LAT600 - Pressure Control Valve - BSP



Neptune 600 kPa - Green

LAT601 - Combined Expansion Relief Valve / Vacuum Breaker - BSP



Neptune Pressure Control & Relief Valve Combo Pack

LAT18COMBOFF - 400 kPa - Red
LAT602COMBOFF - 600 kPa - Green



LATCO PRESSURE CONTROL & RELIEF VALVES

Pro-fit

Install according to manufacturer guidelines.

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 and JASWIC approval and has been tested and rated in accordance with SABS 10508 for hot and cold water supply systems.

ADVANTAGES

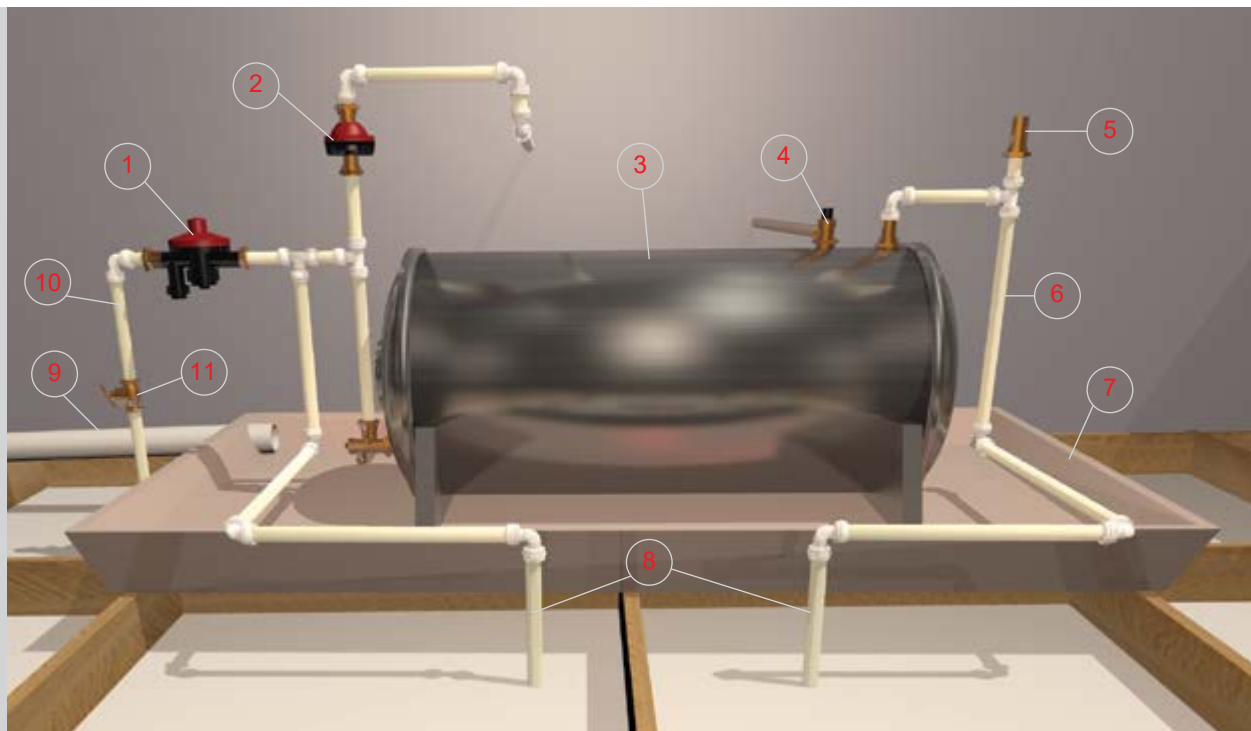
Converting to a new system often raises concerns, in particular the initial costs incurred and the required training. Pro-fit hot and cold technology is not expensive, requires minimal training and offers many advantages.

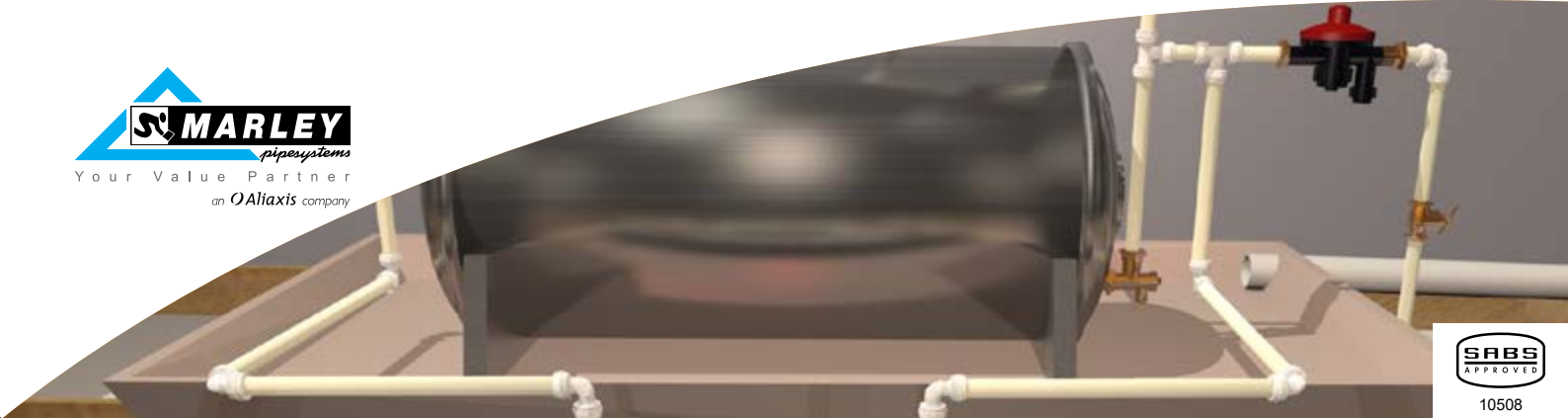
One of the main advantages of the system is that it is quick to install. A plumber is likely to save up to 50% of the time usually taken to perform an installation. This too results in cost savings and increased profit opportunity for the plumber.



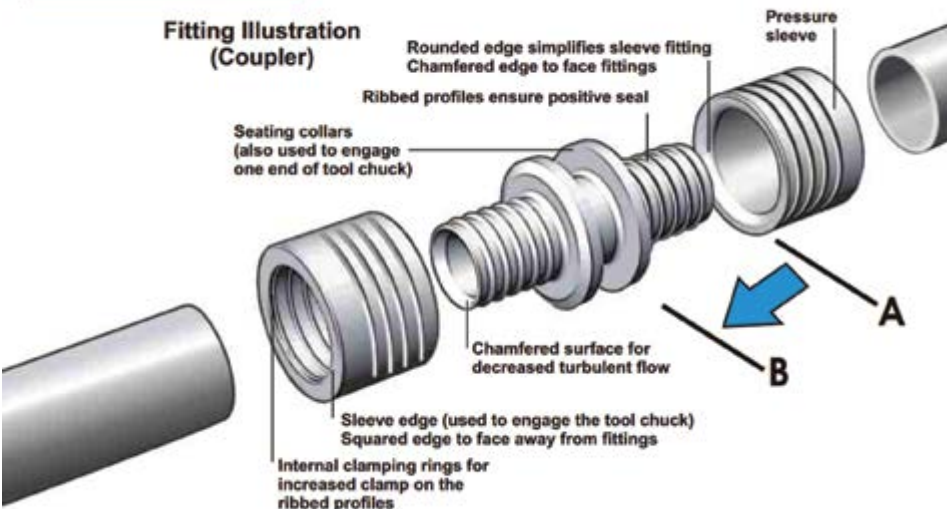
PRO-FIT HOT & COLD WATER SYSTEM

1. LATCO Neptune Pressure Control Valve
2. LATCO Expansion Relief Valve
3. Hot Water Cylinder
4. Temperature & Pressure Safety Valve
5. LATCO 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





Fitting Features



- 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

Manufactured from the highest grade PE-RT (Polyethylene with Raised Temperature Resistance), Pro-fit 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.

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 protection.

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 as little as half the time required 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.

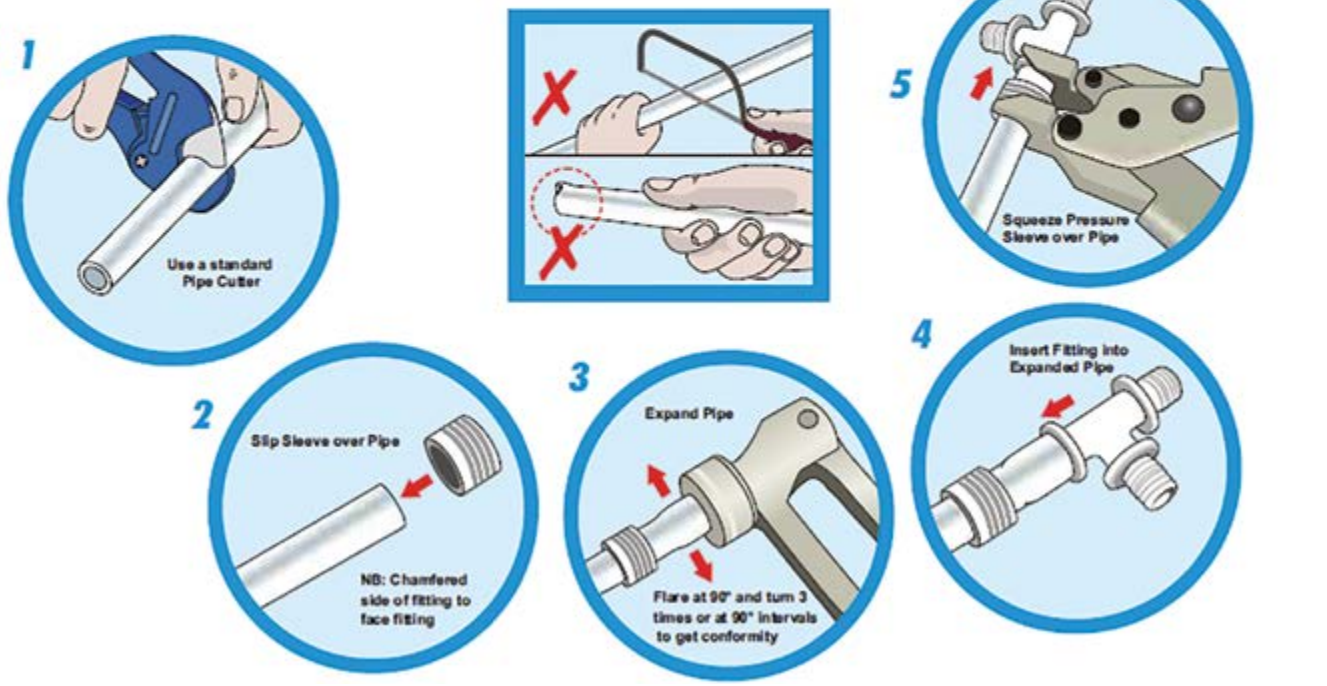


Install according to manufacturer guidelines.






BASIC INSTALLATION GUIDELINES

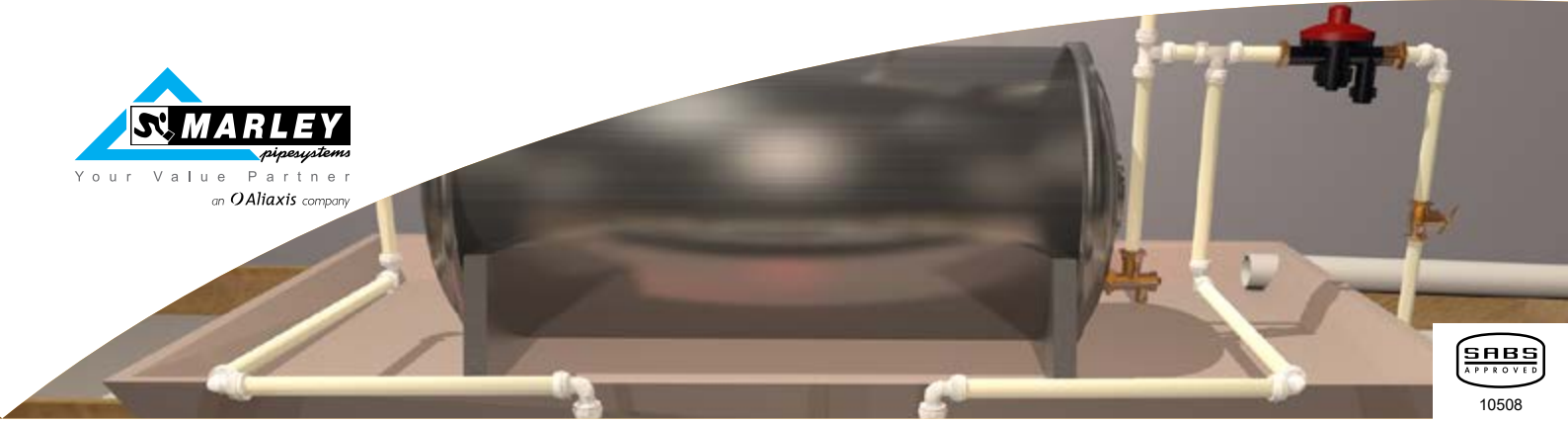
- 1 Cut the pipe to length, ensuring a square edge (We recommend using a standard pipe cutter rather than a hacksaw blade to give a square edge.)
- 2 & 3 Fit the pressure sleeve and expand the pipe using the expanding/flaring tools. For correct expansion ensure that the appropriate size of expansion 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.



PRO-FIT HOT & COLD WATER SYSTEM

Flaring Tools	Closing Tools	Dual Plate Universal	Single Plate	Clamping Tools
PRTEXT1620 - Pipe Flaring Tool (Incl. 16mm & 20mm Expanding Jaws) PRTEXJ16 - Expanding Jaws 16mm PRTEXJ20 - Expanding Jaws 20mm PRTEXT - Pipe Flaring Tool Only	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	PRFDAR - Dual Plate Universal Recessed PRFDAF - Dual Plate Universal Assembly Unit	PRFSAR - Single Plate Recessed PRFSAF - Single Plate - Plastic PRFSARO - Single Plate Recessed	PEX1632A
				



10508

PRO-FIT HOT & COLD WATER SYSTEM

Pro-fit Pipe Lengths

PRP016006 - Pipe 16mm
Length 6m
PRP020006 - Pipe 20mm
Length 6m



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"



Extensions

PRFEX1225 - Extension 1/2" - 25mm
PRFEX1220 - Extension 1/2" - 20mm
PRFEX1215 - Extension 1/2" - 15mm
PRFEX1210 - Extension 1/2" - 10mm



End Plugs

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



Wall Outlets

PRFOS1612 - Wall Outlet
16mm - 1/2"



Double Entry Wall Outlet

PRFOD90 - Double Entry Wall Outlet
- 90° 16mm x 1/2"
PRFODPL - Double Entry Wall Outlet
- Parallel 16mm x 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"





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
- Full solution: Supplied with stop end moulded fittings to complete the system
- Food graded PVC: Qualified by SABS suitable for food use
- Tried and tested: Used by some of the largest lettuce suppliers in South Africa

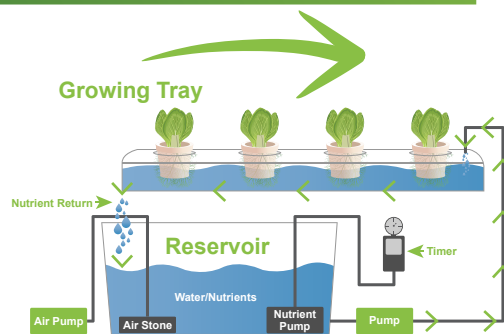


The NFT Hydroponic Process

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

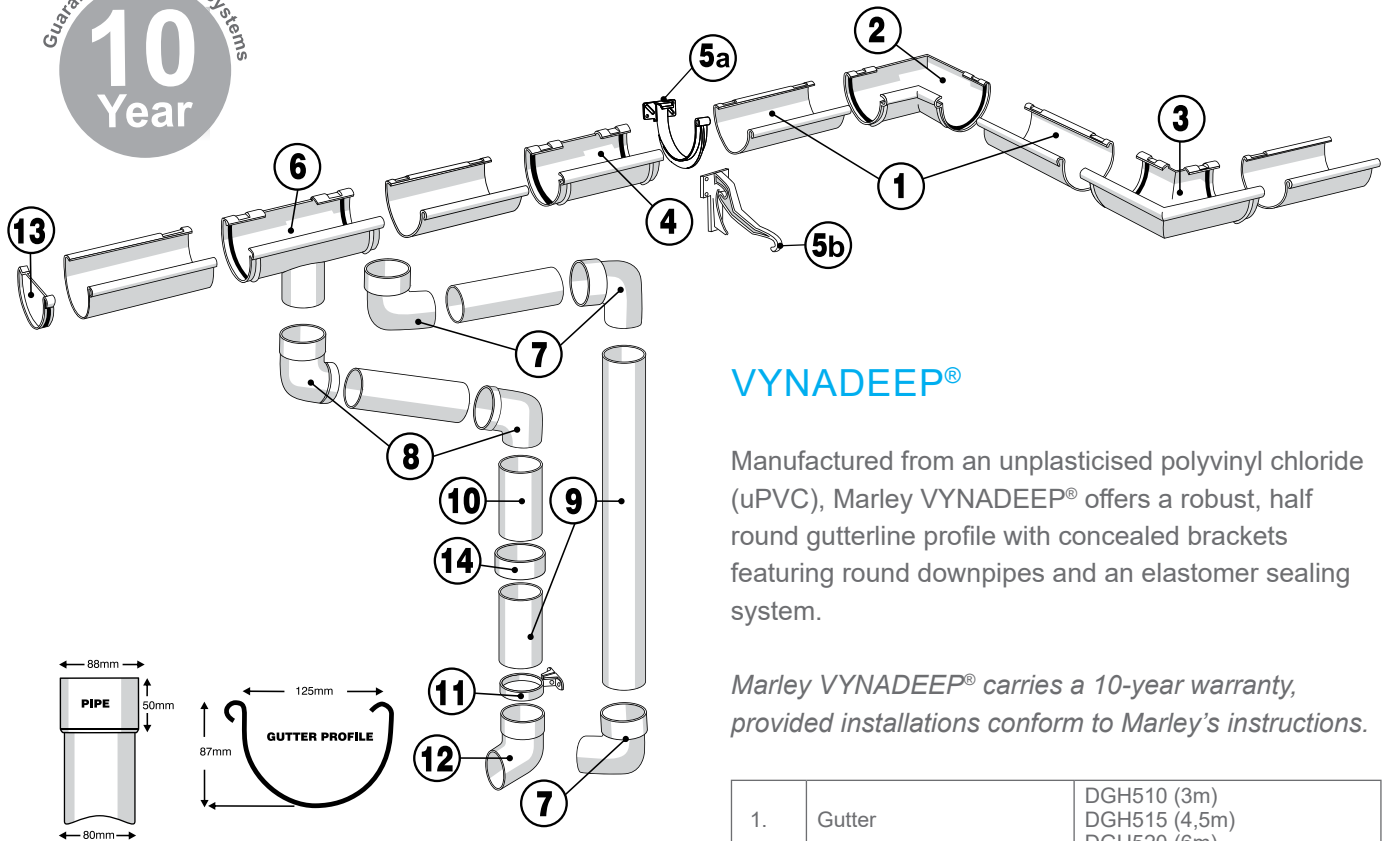
STEP 2: Growing Trays

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.

Guarantee on Gutter Systems
10
Year



VYNADEEP®

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

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

VYNADEEP® Downpipe

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



VYNADEEP® Gutter

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























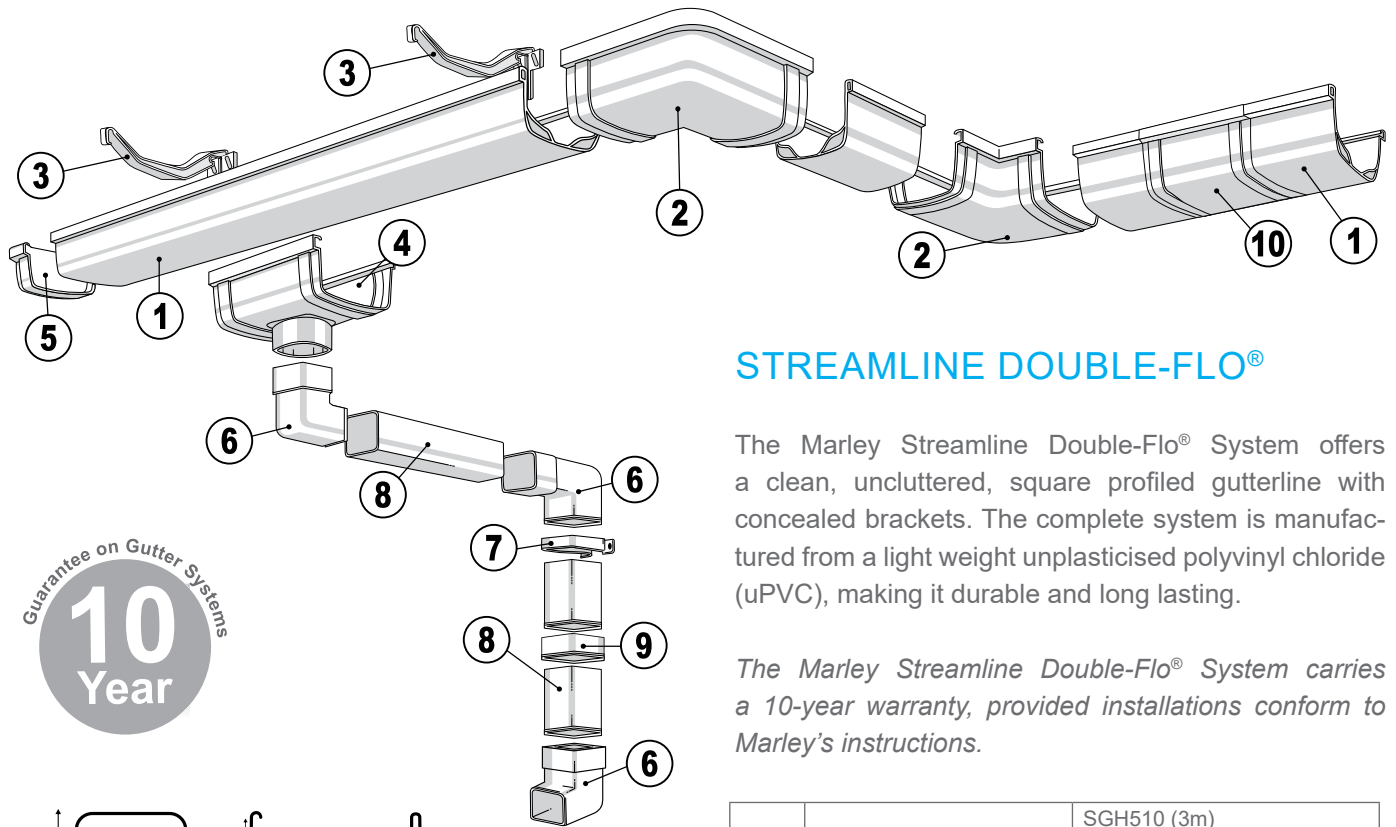
1.	Gutter	DGH510 (3m) DGH515 (4.5m) DGH520 (6m)
2.	Internal Gutter Angle 90°	DA503
3.	External Gutter Angle 90°	DA504
4.	Union Clip	DU50
5a.	Fascia Bracket	DK501
5b.	Fascia Bracket (Concealed)	DK502
6.	Outlet	DO503
7.	Downpipe Bend 90°	DNB30
8.	Swanneck Ends (Pair)	DNE300
9.	Pipe (Plain)	DPHP310
10.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



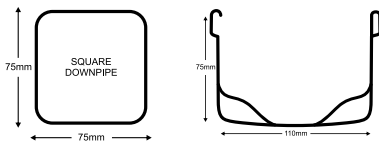
VYNADEEP®

VYNADEEP® GUTTER SYSTEM

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



Guarantee on Gutter Systems
10
Year



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.

The Marley Streamline Double-Flo® System carries a 10-year warranty, provided installations conform to Marley's 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.	Bend-Shoe	SNE300
7.	Downpipe Clip	SC302
8.	Downpipe 3m	SPH310
9.	Downpipe Socket	SPS200
10.	Union Clip	SU50

FASCIA & BARGE

Fascia Boards

FBOARD3P - 3m Fascia Board
225mm - White
FBOARD4P - 4m Fascia Board
225mm - White
FBOARD6P - 6m Fascia Board
225mm - White



Barge Boards

BBOARD3P - 3m Barge Board
225mm x 75mm - White
BBOARD4P - 4m Barge Board
225mm x 75mm - White
BBOARD6P - 6m Barge Board
225mm x 75mm - White



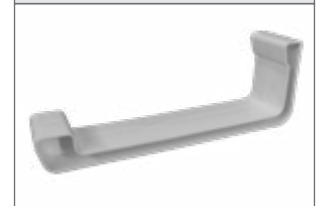
Fascia Accessories

FBCON - Fascia Connector/Joiner
FBENCL - End Caps/Stopends Left
FBENCR - End Caps/Stopends Right



Barge Accessories

BBCON - Barge Connector/Joiner


















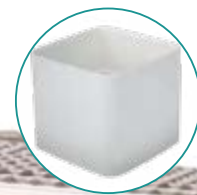


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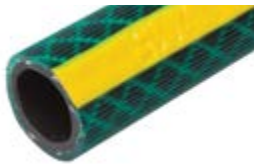

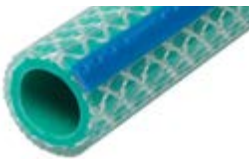



Streamline Double-Flo®

STREAMLINE DOUBLE-FLO®

<p>Streamline Double-Flo® Downpipe</p> <p>SPH310</p> 	<p>Streamline Double-Flo® Gutter</p> <p>SGH510 - 3m Gutter Length SGH515 - 4.5m Gutter Length SGH520 - 6m Gutter Length</p> 	<p>Streamline Double-Flo® Stopend</p> <p>SE501</p> 	<p>Streamline Double-Flo® Gutter Angle</p> <p>SA504</p> 	<p>Streamline Double-Flo® Fascia Bracket</p> <p>SK501</p> 
<p>Streamline Double-Flo® Union Clip</p> <p>SU50</p> 	<p>Streamline Double-Flo® Gutter Outlet</p> <p>SO503</p> 	<p>Streamline Double-Flo® Square Downpipe Clip</p> <p>SC302</p> 	<p>Streamline Double-Flo® Square Downpipe Socket</p> <p>SPS300</p> 	<p>Streamline Double-Flo® Square Downpipe Bend / Shoe</p> <p>SNE300</p> 
<p>Streamline Double-Flo® Downpipe Adaptor</p> <p>DO500</p> 	<p>Streamline Double-Flo® Rainwater Head</p> <p>DRH1 Rainwater Head 300 x 200 x 200 x 80 DRH2 Rainwater Head 300 x 200 x 200 x 110</p> 	  		





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 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	DLD25012015	12mm x 15m	DLD26012015
	12mm x 20m	DLD25012020	12mm x 20m	DLD26012020
	12mm x 30m	DLD25012030	12mm x 30m	DLD26012030
	20mm x 20m	DLD25020020	20mm x 20m	DLD26020020
	20mm x 30m	DLD25020030	20mm x 30m	DLD26020030
MEGAFLEX® Heavy Duty Garden Hose SANS 271 - 10 Year Design Life				
	12mm x 30m	DHD60012030		
	20mm x 30m	DHD60020030		
* special lengths available on request, subject to minimum manufacturing quantities				
Dragline Hoses				
MEGAFLEX® Medium Duty Dragline Hose - 6 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 - 6 Year Design Life				
	20mm x 25m	I771020025		
MEGAFLEX® Heavy Duty Dragline Hose SANS 271 - 10 Year Design Life				
	20mm x 30m	I779020030		
	20mm x 100m	I779020100		
	25mm x 30m	I779025030		
	25mm x 100m	I779025100		





MEGAFLEX® GARDEN & DRAGLINE

MEGAFLEX INDUSTRIAL HOSES

Marley's range of **MEGAFLEX** flexible PVC industrial hoses boast high resistance to pressure, temperature and media and offer 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

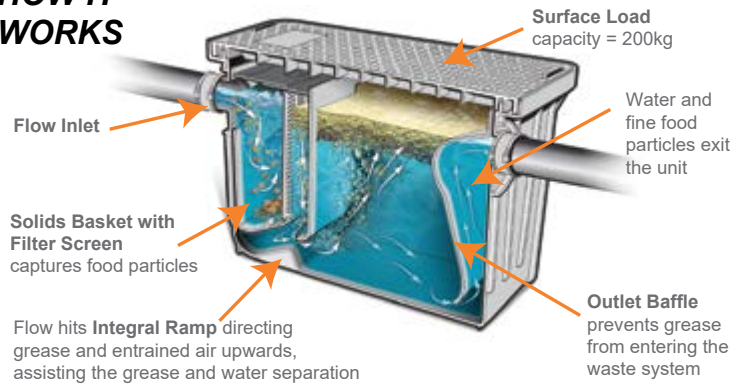
MEGAFLEX® Industrial Hoses			
Product	Product Description	Code	Uses & Specifications
MEGAFLEX® I6001 Clear Thin Wall Industrial Hose			
	6mm x 30m	I6001006030CL	CLEAR WALL HOSE <ul style="list-style-type: none"> ○ Low Pressure applications such as laboratory tubing, aquariums ○ Chemical and abrasion 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	CLEAR WALL HOSE <ul style="list-style-type: none"> ○ 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 <ul style="list-style-type: none"> ○ 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	
MEGAFLEX® I7029 Gas Hose LPG/NG SANS 1156/2			
	8mm x 30m	I7029008030OO	ORANGE LP GAS HOSE <ul style="list-style-type: none"> ○ Good resistance to fuel ○ Cut and abrasion resistant
	8mm x 100m	I7029008100OO	



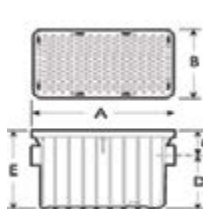
FEATURES AND BENEFITS

- 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
- Availability of spares

HOW IT WORKS

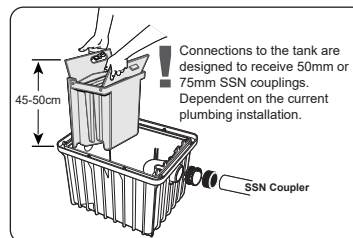


Marley Grease Traps Complete With Solids Basket			Spare Parts	
Description	Flow Rate	Code		
Marley Endura Grease Trap 365L x 445W x 414H	0.94l/sec	MGT200	Latch Repair Kit for MGT500	MGT500LAT
Marley Endura Grease Trap 600L x 445W x 414H	1.6l/sec	MGT500	Latch Repair Kit for MGT700	MGT700LAT
Marley Endura Grease Trap 787L x 597W x 279H	1.6l/sec	MGT600 Lo Pro*	Cover Seal for MGT500	MGT500COV
Marley Endura Grease Trap 787L x 597W x 445H	3.2l/sec	MGT700	Cover Seal for MGT700	MGT700COV
*L = length • W = width • H = height *No Solids Basket			Outlet Baffle	MGT500/700OB
			Filter Screen	MGTSOLBAF
			Solids Basket	MGTSOL01
			Solids Basket Hand Covers (2pc)	MGTSOLHAN



	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

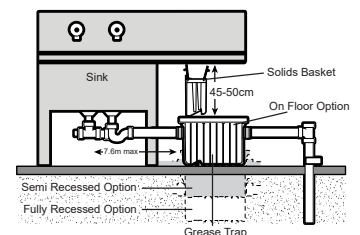
*No Solid Basket



Mechanical join called SSN Coupler not included

Typical Installation

! Minimum Solids Basket Clearance of 45-50cm is required for cleaning access.



CALCULATE FLOW RATES

Sink L x B x H = cm²
cm² ÷ 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



FEATURES AND BENEFITS

- 16 Bar | ISO4427
- PN 10 (Black) and PN 16 (Blue) pressure ratings.
- 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.

* With stainless steel bolts and nuts & brass inserts available on request subject to min manufacturing quantity

Product	Product Description	Code
	Magnum Saddles Ø25	
	25 x ½" Magnum Saddle - PN16	08720251
	25 x ¾" Magnum Saddle - PN16	08720252
	Magnum Saddles Ø32	
	32 x ½" Magnum Saddle - PN16	08720321
	32 x ¾" Magnum Saddle - PN16	08720322
	32 x 1" Magnum Saddle - PN16	08720323
	Magnum Saddles Ø40	
	40 x ½" Magnum Saddle - PN16	08720401
	40 x ¾" Magnum Saddle - PN16	08720402
	40 x 1" Magnum Saddle - PN16	08720403
	Magnum Saddles Ø50	
	50 x ½" Magnum Saddle - PN16	08720501
	50 x ¾" Magnum Saddle - PN16	08720502
	50 x 1" Magnum Saddle - PN16	08720503
	Magnum Saddles Ø63	
	63 x ½" Magnum Saddle - PN16	08720631
	63 x ¾" Magnum Saddle - PN16	08720632
	63 x 1" Magnum Saddle - PN16	08720633
	63 x 1¼" Magnum Saddle - PN16	08720634
	63 x 1½" Magnum Saddle - PN16	08720635
	Magnum Saddles Ø75	
	75 x ½" Magnum Saddle - PN16	08720751
	75 x ¾" Magnum Saddle - PN16	08720752
	75 x 1" Magnum Saddle - PN16	08720753
	75 x 1¼" Magnum Saddle - PN16	08720754
	75 x 1½" Magnum Saddle - PN16	08720755
	75 x 2" Magnum Saddle - PN16	08720756
Magnum Saddles Ø90		
90 x ½" Magnum Saddle - PN16	08720901	
90 x ¾" Magnum Saddle - PN16	08720902	
90 x 1" Magnum Saddle - PN16	08720903	
90 x 1¼" Magnum Saddle - PN16	08720904	
90 x 1½" Magnum Saddle - PN16	08720905	
90 x 2" Magnum Saddle - PN16	08720906	
Magnum Saddles Ø110		
110 x ½" Magnum Saddle - PN16	08721101	
110 x ¾" Magnum Saddle - PN16	08721102	
110 x 1" Magnum Saddle - PN16	08721103	
110 x 1¼" Magnum Saddle - PN16	08721104	
110 x 1½" Magnum Saddle - PN16	08721105	
110 x 2" Magnum Saddle - PN16	08721106	
Magnum Saddles Ø160		
160 x ¾" Magnum Saddle - PN16	08721602	
160 x 1" Magnum Saddle - PN16	08721603	
160 x 1¼" Magnum Saddle - PN16	08721604	
160 x 1½" Magnum Saddle - PN16	08721605	
160 x 2" Magnum Saddle - PN16	08721606	



Marley Astore polypropylene compression fittings are for use with high density polyethylene pipes dedicated to fluid reticulation. They can be used in irrigation, drinking water systems and include many items suitable for a very wide range of plant engineering installation requirements. Marley and Astore are ISO 9001 certified companies. Astore is member of the Irrigation Association (IA). Astore compression fittings are approved by DVGW (DW-8616BQ0078).

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 clinching ring in white POM resin, the O-ring in NBR and the reinforcing ring in 430 stainless steel.

COMPRESSION FITTINGS

In the tables that follow, Marley fittings are indicated by blue shading and Astore by grey.

The pictures are of Marley fittings.

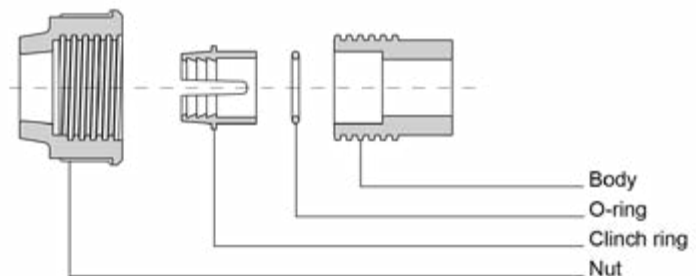
REFERENCE STANDARDS

Marley Astore compression fitting are manufactured in compliance with the requirements of standards ISO 3458, ISO 3459, 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, ISO 3607, DIN 8072, DIN 8074, UNI 10910, UNI EN 12201. The threaded fittings are manufactured in compliance with ISO R7.

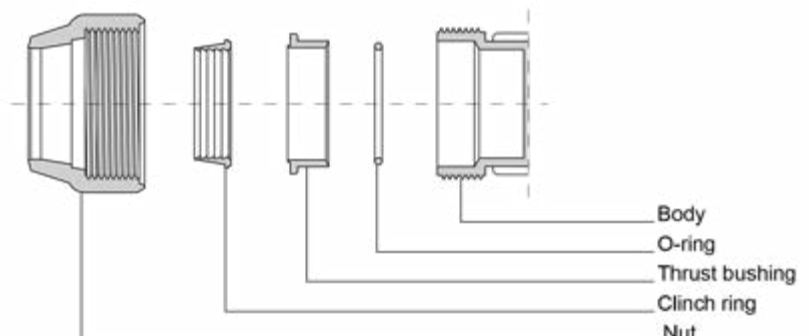
PRESSURE RATINGS AT 20°C

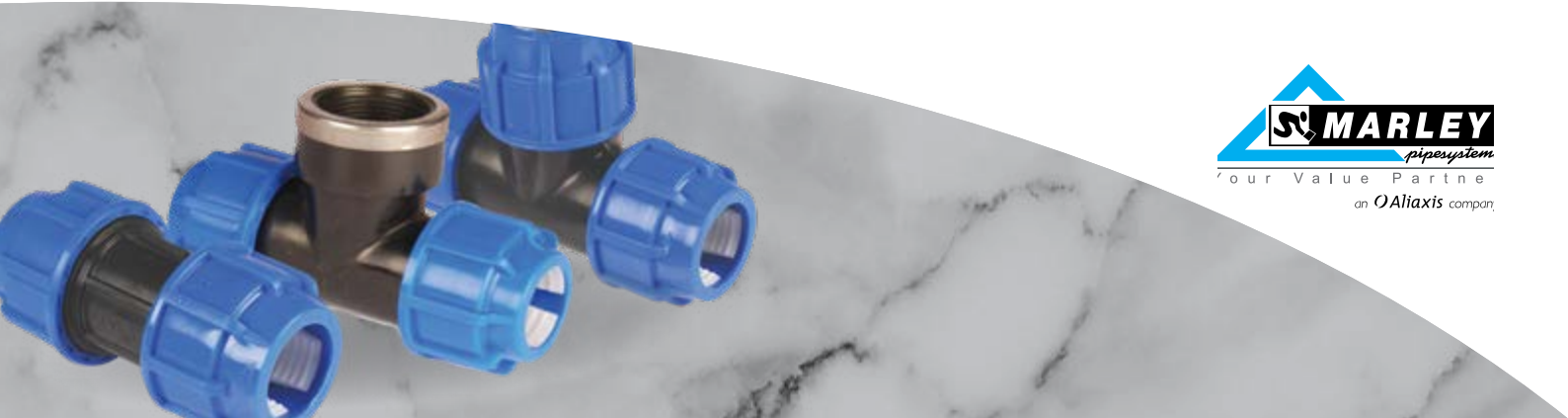
Fitting Size (mm)	Pressure Rating (bar)
16-63	16
75-110	10

Marley Fitting Sizes 16 to 63mm (blue coloured nut ) 



Astore Fitting Sizes 75 to 110mm (black coloured nut ) 

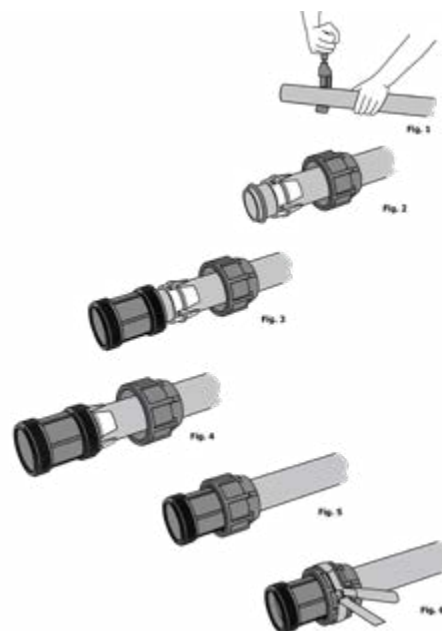




COUPLING

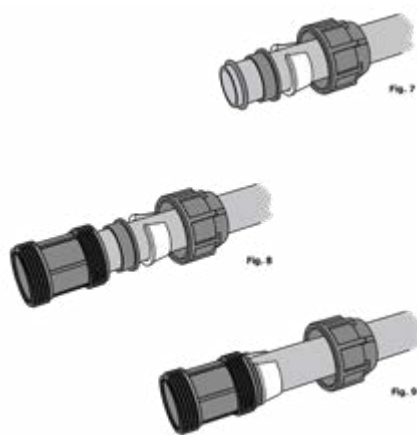
16-63mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, clinch 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 clinch 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



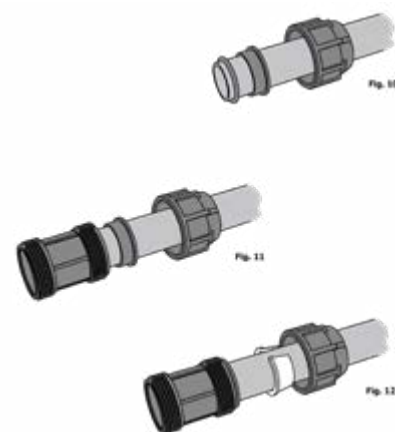
75-90mm

- Use a pipe cutter to cut pipe at 90° to its axis. Fig 1
- Insert over the pipe end in the following order: nut, clinch ring, thrust bushing 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 thrust bushing into the body of the joint. Slide the clinch ring up to the thrust bushing. 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, thrust bushing 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 thrust bushing into the body of the joint and fasten the nut.
- Unfasten the nut and slip the clinch ring over the pipe. Slide the clinch ring up to the thrust bushing. Fig 12
- Engage the nut and fully tighten with a strap or plumbing wrench. Fig 5 & 6





COUPLINGS		
Product	Product Description	Code
	16mm	510 160
	20mm	510 200
	25mm	510 250
	32mm	510 320
	40mm	510 400
	50mm	510 500
	63mm	510 630
	75mm	510 750
	90mm	510 900
	110mm	510 110


REDUCED COUPLINGS		
Product	Product Description	Code
	20 x 16mm	512.20A
	25 x 20mm	512.25B
	32 x 20mm	512.32B
	32 x 25mm	512.32C
	40 x 25mm	512.40C
	40 x 32mm	512.40D
	50 x 25mm	512.50C
	50 x 32mm	512.50D
	50 x 40mm	512.50E
	63 x 32mm	512.63D
	63 x 40mm	512.63E
	63 x 50mm	512.63F
	75 x 50mm	512.75F
	75 x 63mm	512.75G
	90 x 63mm	512.90G
	90 x 75mm	512.90H
	110 x 75mm	512.11H
	110 x 90mm	512.11I

MALE ADAPTORS		
Product	Product Description	Code
	16 x 3/8"	511.16A
	16 x 1/2"	511.16B
	16 x 3/4"	511.16C
	20 x 1/2"	511.20B
	20 x 3/4"	511.20C
	25 x 1/2"	511.25B
	25 x 3/4"	511.25C

MALE ADAPTORS		
Product	Product Description	Code
	25 x 1"	511.25D
	32 x 3/4"	511.32C
	32 x 1"	511.32D
	32 X 1 1/4"	511.32E
	40 x 1"	511.40D
	40 x 1 1/4"	511.40E
	50 x 1"	511.50D
	50 x 1 1/4"	511.50E
	50 x 1 1/2"	511.50F
	50 x 2"	511.50G
	63 x 1 1/2"	511.63F
	63 x 2"	511.63G
	63 x 2 1/2"	511.63H
	75 x 2"	511.75G
	75 x 2 1/2"	511.75H
	75 x 3"	511.75I
	90 x 2"	511.90G
	90 x 2 1/2"	511.90H
	90 x 3"	511.90I
	90 x 4"	511.90L
110 x 2"	511.11G	
110 x 3"	511.11I	
110 x 4"	511.11L	

FEMALE ADAPTORS		
Product	Product Description	Code
	16 x 3/8"	601.16A
	16 x 1/2"	601.16B
	20 x 1/2"	601.20B
	20 x 3/4"	601.20C
	25 x 1/2"	601.25B
	25 x 3/4"	601.25C
	25 x 1"	601.25D
	32 x 1/2"	601.32B
	32 x 3/4"	601.32C
	32 x 1"	601.32D
	32 x 1 1/4"	601.32E
	40 x 1"	601.40D
	40 x 1 1/4"	601.40E
	40 x 1 1/2"	601.40F
	50 x 1 1/4"	601.50E
	50 x 1 1/2"	601.50F



FEMALE ADAPTORS		
Product	Product Description	Code
	50 x 2"	601.50G
	63 x 1 1/2"	601.63F
	63 x 2"	601.63G
	75 x 2"	601.75G
	75 x 2 1/2"	601.75H
	90 x 2"	601.90G
	90 x 2 1/2"	601.90H
	90 x 3"	601.90I
	110 x 3"	601.11I
	110 x 4"	601.11L

INCREASING TEES		
Product	Product Description	Code
	20mm	514.20C
	25mm	514.25D


EQUAL TEES		
Product	Product Description	Code
	16mm	514 160
	20mm	514 200
	25mm	514 250
	32mm	514 320
	40mm	514 400
	50mm	514 500
	63mm	514 630
	75mm	514 750
	90mm	514 900
110mm	514 110	


FEMALE TEES		
Product	Product Description	Code
	16 x 3/8"	515.16A
	16 x 1/2"	515.16B
	20 x 1/2"	515.20B
	20 x 3/4"	515.20C
	25 x 1/2"	515.25B
	25 x 3/4"	515.25C

FEMALE TEES		
Product	Product Description	Code
	25 x 1"	515.25D
	32 x 1/2"	515.32B
	32 x 3/4"	515.32C
	32 x 1"	515.32D
	32 x 1 1/4"	515.32E
	40 x 1"	515.40D
	40 x 1 1/4"	515.40E
	40 x 1 1/2"	515.40F
	50 x 1 1/2"	515.50F
	50 x 2"	515.50G
	63 x 2"	515.63G
	63 x 2 1/2"	515.63H
	75 x 2 1/2"	515.75H
	75 x 3"	515.75I
	90 x 3"	515.90I
	90 x 4"	515.90L
110 x 4"	515.11L	

MALE TEES		
Product	Product Description	Code
	16 x 1/2"	516.16B
	20 x 1/2"	516.20B
	20 x 3/4"	516.20C
	25 x 3/4"	516.25C
	25 x 1"	516.25D
	32 x 1"	516.32D
	32 x 1 1/4"	516.32E
	40 x 1 1/4"	516.40E
	40 x 1 1/2"	516.40F
	50 x 1 1/2"	516.50F
	50 x 2"	516.50G
	63 x 2"	516.63G
	63 x 2 1/2"	516.63H
	75 x 2 1/2"	516.75H
	75 x 3"	516.75I
	90 x 3"	516.90I
90 x 4"	516.90L	
110 x 4"	516.11L	



MALE ELBOWS		
Product	Product Description	Code
	16 x 1/2"	519.16B
	20 x 1/2"	519.20B
	20 x 3/4"	519.20C
	25 x 1/2"	519.25B
	25 x 3/4"	519.25C
	25 x 1"	519.25D
	32 x 1"	519.32D
	32 x 1 1/4"	519.32E
	40 x 1 1/4"	519.40E
	40 x 1 1/2"	519.40F
	50 x 1 1/2"	519.50F
	50 x 2"	519.50G
	63 x 2"	519.63G
	63 x 2 1/2"	519.63H
	75 x 2 1/2"	519.75H
	75 x 3"	519.75I
	90 x 3"	519.90I
	90 x 4"	519.90L
110 x 4"	519.11L	

FEMALE ELBOWS		
Product	Product Description	Code
	16 x 1/2"	519.16B
	20 x 1/2"	519.20B
	20 x 3/4"	519.20C
	25 x 1/2"	519.25B
	25 x 3/4"	519.25C
	25 x 1"	519.25D
	32 x 1"	519.32D
	32 x 1 1/4"	519.32E
	40 x 1 1/4"	519.40E
	40 x 1 1/2"	519.40F
	50 x 1 1/2"	519.50F
	50 x 2"	519.50G
	63 x 2"	519.63G
	63 x 2 1/2"	519.63H
	75 x 2 1/2"	519.75H
	75 x 3"	519.75I
	90 x 3"	519.90I
	90 x 4"	519.90L
110 x 4"	519.11L	

EQUAL ELBOWS		
Product	Product Description	Code
	16mm	513 160
	20mm	513 200
	25mm	513 250
	32mm	513 320
	40mm	513 400
	50mm	513 500
	63mm	513 630
	75mm	513 750
	90mm	513 900
	110mm	513 110

PLUGS		
Product	Product Description	Code
	16mm	521 160
	20mm	521 200
	25mm	521 250
	32mm	521 320
	40mm	521 400
	50mm	521 500
	63mm	521 630
	75mm	521 750
	90mm	521 900
	110mm	521.11

FLANGED ADAPTORS		
Product	Product Description	Code
	75 x 2 1/2"	520.75H
	75 x 3"	520.75I
	90 x 3"	520.90I
	90 x 4"	520.90L
	110 x 5"	520.11L



PHILMAC IS RENOWNED FOR QUALITY PRODUCTS AND SERVICES.

Their compression fittings comply with the requirements of a number of Australian specifications and, in South Africa, have a Certificate of Acceptance from JASWIC.

The Philmac fitting design uses the mechanical advantage of the nut thread to place the seal into a compressed position. This means no resistance when inserting the pipe into the fitting, thus eliminating damage or displacement to the seal during installation. Furthermore, the fittings have no loose components which can be incorrectly assembled or lost.

Marley Pipe Systems is proud to have been appointed as the authorised agent for the Philmac range of compression and transition fittings which are available in sizes from 16mm to 110mm and have a maximum operating pressure of 16 bar.

For enquiries or more info contact your nearest Marley branch or representative.

Coupling is pre-assembled in open position - Four threads visible

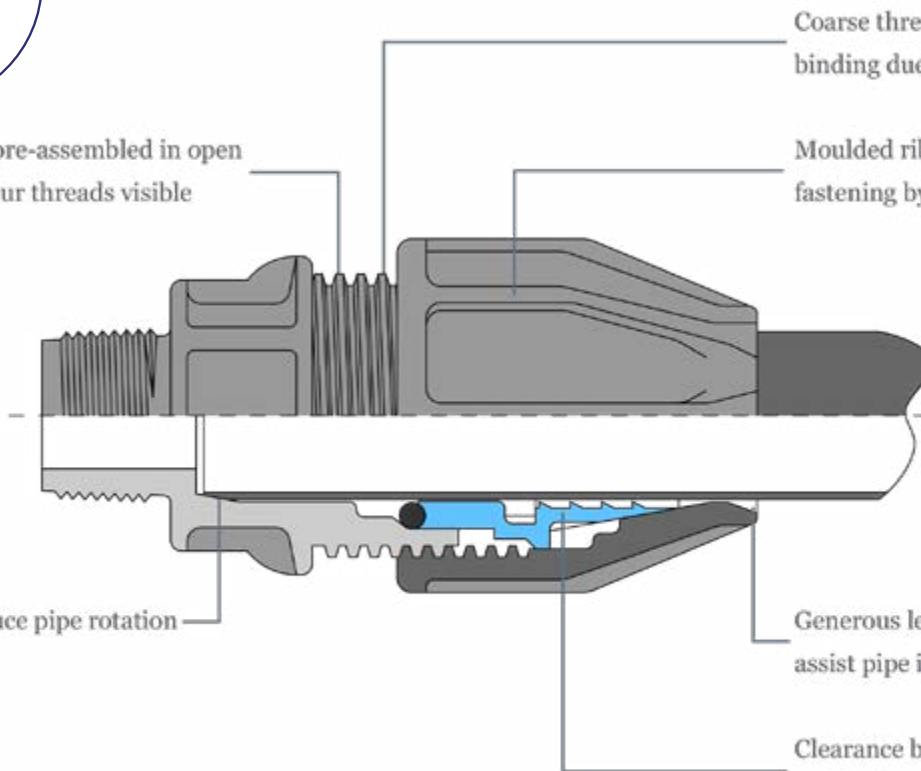
Wedges reduce pipe rotation

Coarse thread resists binding due to dirt

Moulded ribs suitable for fastening by hand or wrench

Generous lead-in to assist pipe insertion

Clearance between pipe and fitting allows for oval/oversize pipe





HDPE PIPE DIMENSIONS

Working Pressure PE 100	PN4	PN5	PN6	PN8	PN 10	PN 12.5	PN1 6	PN20	PN25
Standard Dimension Ratio (SDR)	SDR 41	SDR 33	SDR 26	SDR 21	SDR 17	SDR 13.6	SDR 11	SDR 9	SDR 7.4
Size mm	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m
20	0.10	0.10	0.10	0.10	0.10	0.13	0.13	0.13	0.15
25	0.12	0.12	0.12	0.12	0.16	0.17	0.17	0.20	0.24
32	0.16	0.16	0.16	0.16	0.22	0.23	0.27	0.33	0.39
40	0.20	0.20	0.28	0.24	0.29	0.35	0.43	0.51	0.60
50	0.25	0.25	0.36	0.37	0.45	0.55	0.67	0.80	0.94
63	0.32	0.16	0.48	0.59	0.72	0.88	1.06	1.27	1.50
75	0.43	0.53	0.67	0.82	1.00	1.23	1.50	1.78	2.11
90	0.62	0.77	0.97	1.19	1.45	1.78	2.16	2.57	3.04
110	0.90	1.15	1.45	1.77	2.16	2.66	3.22	3.84	4.53

A LEGACY OF QUALITY, TECHNOLOGY AND PERFORMANCE

Our range of 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 16mm up to 110mm.

JOINTING METHODS

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

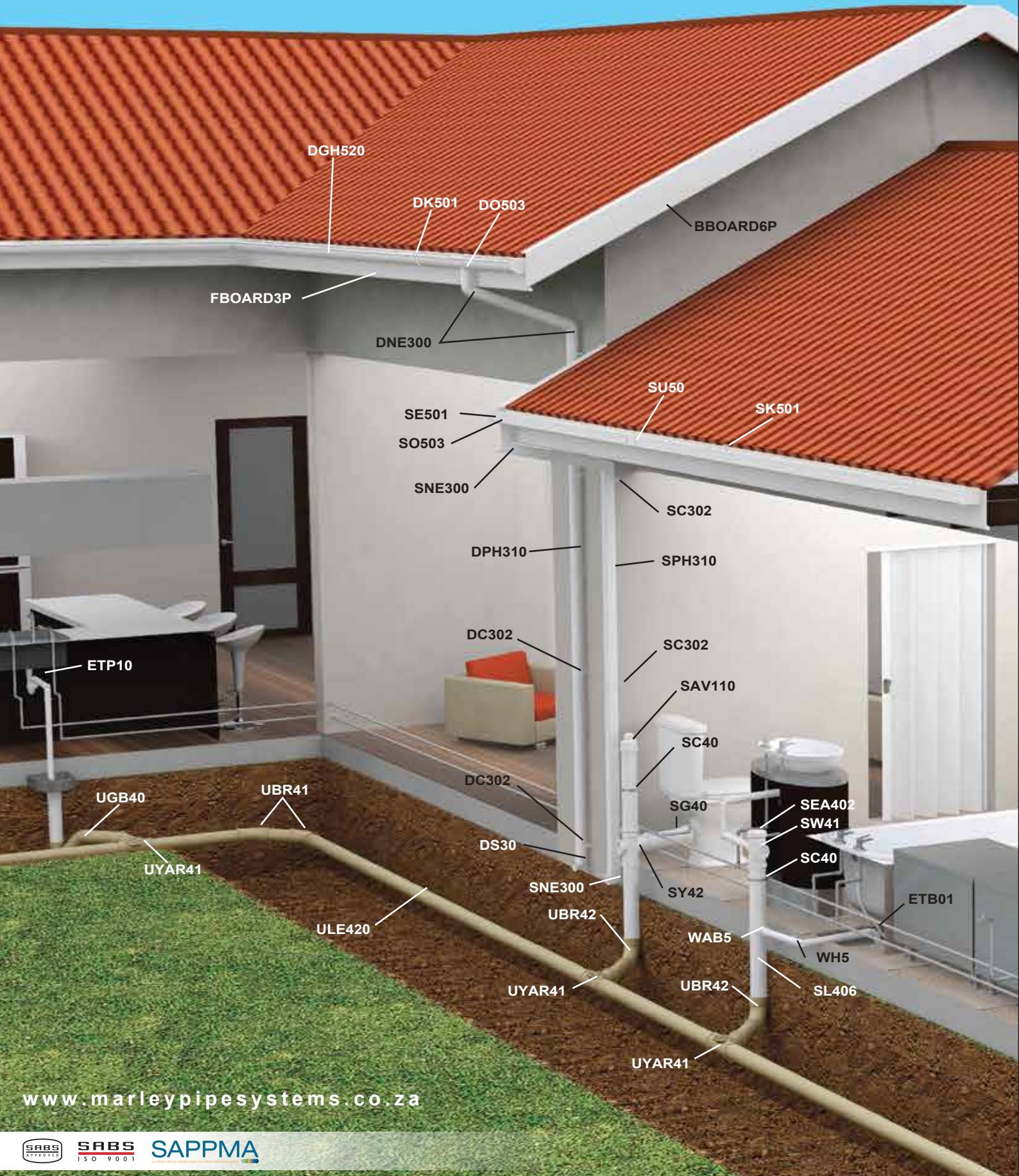
FEATURES & BENEFITS

- **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

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