

HYDROFLOW



Product Guide





HYDROFLOW

Hydroflow distributes many of the world's leading industrial brands; each of these has been selected not only on product innovation and quality, but also on the availability of industry leading technical support.

Our focus is on water and gas and on sourcing the world's most innovative products for its safe control, quality and conservation.

Hydroflow are distributors of the Fernco range of connection products.

The Hydroflow technical specialists have extensive knowledge of the Fernco range and drainage connection issues in general.

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Connecting above ground waste pipes

PlumbQwik™ Range



PlumbQwik™ is a range of plumbing couplings by Fernco for above ground drainage applications, commonly found under kitchen sinks, shower trays, baths, behind washing machines etc.

Unlike many other plumbing couplings on the market, PlumbQwik's can connect any material pipe, provided it fits within the products size range. Made from flexible PVC, the couplings can also adapt to imperfect pipe alignment, making them ideal for repair scenarios and rectifying previous bad workmanship.

The product range covers all common pipe sizes as straight or adaptor (or reducer) applications.

Benefits

- Creates a watertight seal between two plain ended pipes
- Designed for waste and grey water applications
- Connect what would normally be incompatible pipe systems
- Large range of straight and adaptor variations
- Extremely easy to fit using a nut driver or screw driver
- Remove and re-fit as required



Straight PlumbQwik™ Range



Adaptor PlumbQwik™ Range



Elbow PlumbQwik™ Range



Tee PlumbQwik™ Range



End Cap PlumbQwik™ Range



Straight PlumbQwik™ Range

Product Code	Reference	Size Range (mm)
F1056-075	PQ028	21-29
F1056-100	PQ038	30-39
F1056-40M	PQ046	36-45
F1056-50M	PQ057	47-56
F1056-50MDB	PQD057	47-56
F1056-65M	PQ070	61-70
F1056-33	PQ084	75-84
F1056-90M	PQ091	81-92
F1056-90MDB	PQD091	81-92
F1056-100M	PQ113	100-113
F1056-100MDB	PQD113	100-113
F1055-44	PQ122	110-123
-	PQ130	118-131
F1004-44	PQ142	136-142
F1056-150M	PQ162	150-163
F1056-150MDB	PQD162	150-163
F1055-66	PQ176	165-176
F1001-66	PQ188	180-188
F1004-66	PQ194	183-194
F1056-88	PQ219	206-219
F1056-225M	PQ256	240-256
F1056-225MDB	PQD256	240-256
F1004-88	PQ260	250-260
F1056-1010	PQ269	254-269
F1055-1010	PQ282	265-282
F1004-1010	PQ323	299-317
F1001-1212	PQ365	340-365
F1056-1515	PQ388	366-388
F1001-1515	PQ445	415-445



Expansion Joint PlumbQwik™ Range

Ideal for connecting vertical waste pipes which are subject to thermal expansion/contraction.

Product Code	Reference	Size Range (mm)	Maximum Expansion (mm)	Maximum Contraction (mm)
FXJ-2	PQX061	56-62	38	12
FXJ-3	PQX092	82-88	38	12
FXJ-4	PQX114	108-114	38	12



Adaptor PlumbQwik™ Range



Double Clamped
PQDXXX

Product Code	Reference	Size Range A (mm)	Size Range B (mm)
F1056-40/32M	PQ045-036	36-45	29-37
FDTC-215	PQ058-038	50-59	30-39
F1056-215	PQ058-045	50-59	37-46
F1056-32	PQ085-058	75-86	50-59
-	PQ085-068	75-86	60-69
-	PQ090-063	78-89	53-62
-	PQ112-045	100-113	37-46
F1056-43	PQ112-085	100-113	75-86
F1056-100/90M	PQ112-091	100-113	81-92
F1056-42	PQ113-059	102-114	56-62
F1051-44	PQ122-112	110-123	100-113
-	PQ130-122	118-131	110-123
-	PQ135-115	122-135	102-115
F1006-43	PQ140-087	127-142	80-92
F1006-100M	PQ144-112	130-143	100-113
F1006-100MDB	PQD144-112	130-143	100-113
F1056-64	PQ163-111	160-171	104-116
F1051-64	PQ178-108	164-178	101-112
F1051-66	PQ174-162	164-178	149-164
F1002-66	PQ190-162	177-190	152-162
F1006-64	PQ199-111	187-199	101-111
F1006-150M	PQ200-162	185-198	150-163
F1006-150MDB	PQD200-162	185-198	150-163
F1051-88A	PQ232-216	216-232	203-216
F1004-86	PQ260-198	250-260	188-198
F1006-225M	PQ282-256	268-284	241-257
F1006-225MDB	PQD282-256	268-284	241-257
F1006-1010	PQ320-269	298-320	259-269
F1002-1212	PQ368-320	339-368	301-320
F1006-1212	PQ417-318	417-400	318-302
F1002-1515	PQ466-400	440-452	370-383



Washer Connector PlumbQwik™ Range

Product Code	Reference	Description	Size Range A (mm)	Size Range B (mm)
FHG-1	PQHG-1	Hose Grip Clothes Washer Connector	38-50 (drain pipe)	25-36 (washer hose)
FDWC-100	PQDC023-016	Dishwasher Drain Connector	19-23	13-16



Elbow PlumbQwik™ Range

Product Code	Reference	Size Range (mm)
-	PQE038	30-38
FQL-150A	PQE048	41-48
FQL-200A	PQE060	54-62
FQL-300A	PQE085	80-89
FQL-400A	PQE112	105-116



Tee PlumbQwik™ Range

Product Code	Reference	Size Range (mm)
-	PQT038	30-38
FQT-150A	PQT048	41-48
FQT-200A	PQT060	54-62
FQT-300A	PQT085	80-89
FQT-400A	PQT112	105-116



End Cap PlumbQwik™ Range

Product Code	Product Code	Size Range (mm)
FQC-101	PQC049	38-49
FQC-102	PQC061	50-61
F070CA	PQC078	67-78
FQC-103	PQC091	80-91
F3CIA	PQC100	88-100
FQC-104	PQC116	105-116
FQC-105	PQC143	132-143
FQC-106	PQC167	156-167
FQC-108	PQC220	204-220
FQC-110	PQC279	250-279



Connecting underground drainage pipes

Standard Couplings



Shear Banded Couplings are specifically designed to connect and repair pipes on adopted sewer and drainage applications, recommended for Water Authority systems.

Shear Banded Couplings are recommended when connecting onto Water Authority assets as they provide added protection and perform to a higher standard than non shear banded couplings. The shear band on this range of couplings gives the connection added protection against vertical shear loads that could cause the pipes to become mis-aligned.

Benefits

- Withstands an internal pressure of up to 2.5 bar
- Stainless steel shear band prevents pipe displacement
- Less excavation compared to replacing a whole length of pipe
- Complies with AS/NZS 4327-1995 – Metal-banded flexible couplings for low-pressure applications
- WaterMark certified
- OceanaMark certified
- WSAA appraised

Understanding shear loads

It is recommended that when using a Flexible coupling where axial loadings across the coupling & pipe joint are likely that a Shear Banded Coupling is used. The use of a shear banded coupling will prevent pipe misalignment and maintain the joint integrity by bracing the coupling across the pipe joint and making the assembly rigid.

A Drain Coupling does not have a central shear band therefore it will not protect against movement across the joint. All Shear Banded Couplings conform to relevant standards: AS/NZS 4327-1995 – Metal-banded flexible couplings for low-pressure applications.

Standard Coupling



Drain Coupling



Product Code	Size Range (mm)
SC65	50 - 65
SC75	60 - 75
SC85	70 - 85
SC95	80 - 95
SC115	100 - 115
SC120	105 - 120
SC125	110 - 125
SC137	122 - 137
SC150	125 - 150
SC165	140 - 165
SC175	150 - 175
SC185	160 - 185
SC200	175 - 200
SC215	190 - 215
SC225	200 - 225
SC250	225 - 250
SC265	240 - 265
SC275	250 - 275
SC290	265 - 290
SC310	285 - 310
SC320	295 - 320
SC335	310 - 335

Product Code	Size Range (mm)
SC345	320 - 345
SC360	335 - 360
SC370	345 - 370
SC385	360 - 385
SC395	370 - 395
SC410	385 - 410
SC425	400 - 425
SC430	405 - 430
SC445	420 - 445
SC450	425 - 450
SC465	440 - 465
SC470	445 - 470
SC490	465 - 490
SC510	485 - 510
SC525	500 - 525
SC540	515 - 540
SC550	525 - 550
SC560	535 - 560
SC570	545 - 570
SC580	555 - 580
SC600	575 - 600
SC620	595 - 620

Connecting DN100 or DN150 pipes internally

Icon Pushfit



Icon Pushfit couplings allow connections to be made to the internal surface of pipes without the need for any tools in just 30 seconds or less.

Icon 'internal' Pushfit Couplings provide a hassle free connection solution when pipes are encased in concrete or sheared off at a wall or floor.

Benefits

- Significantly reduces labour time for connecting problem pipes
- Watertight connection on any pipe material
- No need to expose external surface of pipe
- Removes joint step created by connecting different pipe materials
- Creates a smooth transition between pipe invert levels
- Passes pressure tests
- Provides shear load protection
- Conforms to all testing requirements of BS EN 295-4:2013

Introducing

ICON Coupling®



4" Straight
(IC95P, IC95-100P, IC100P)



6" Straight
(IC150P)



4" to 6" Adaptor
(IC95-150P, IC100-150P)

Product Code	Nominal Diameter (mm)	Internal Pipe Size (mm)	Description
IC95P	100	93 - 98	For connecting two DN100 pipes.
IC95-100P	100	Pipe 1: 93 - 98 Pipe 2: 99 - 104.5	For connecting two DN100 pipes.
IC100P	100	99 - 104.5	For connecting two DN100 pipes.
IC150P	150	147.5 - 153	For connecting two DN150 pipes.
IC95-150P	100-150	Pipe 1: 93 - 98 Pipe 2: 147.5 - 153	For connecting DN100 pipes to DN150 pipes.
IC100-150P	100-150	Pipe 1: 99 - 104.5 Pipe 2: 147.5 - 153	For connecting DN100 pipes to DN150 pipes.

Connecting DN150-600 pipes internally

Icon Mechanical



Icon Mechanical couplings are an internal equivalent of the Shear Banded Coupling, for scenarios where pipes have been encased in concrete. They provide a watertight connection whilst protecting the joint against shear load forces.

These couplings feature a strong stainless steel body that utilise strength from the connecting pipes to give strength to the joint, which provides excellent resistance to lateral shear loads, protecting pipe alignment over the joint.

Benefits

- Achieves a secure connection where traditional couplings cannot be used
- Permanent, watertight and airtight connection is achieved
- High quality components
- Installation is simple and carried out with everyday tools
- Removes joint step created by connecting different pipe materials
- Creates a smooth transition between pipe invert levels
- Specially designed bushes are available to accommodate small differences in internal diameter, enabling a wide range of pipe combinations to be connected
- Conforms to all testing requirements of WIS 4-41-01 and BS EN 295-4:2013



Product Code	Size Manufactured Within (mm)	Size Range Tolerance (mm)	Icon Bushes - Product Code			Maximum difference between pipes ID's before an Icon Bush is required (mm)
			1.5mm	2.5mm	4mm	
IC150	148 - 170	5	BCI015/150	BCI025/150	BCI040/150	3
IC200	171 - 212	5	BCI015/200	BCI025/200	BCI040/200	3
IC225	213 - 237	5	BCI015/225	BCI025/225	BCI040/225	3
IC250	238 - 270	5	BCI015/250	BCI025/250	BCI040/250	3
IC300	271 - 362	5	BCI015/300	BCI025/300	BCI040/300	3
IC375	363 - 387	5	BCI015/375	BCI025/375	BCI040/375	3
IC400	388 - 424	5	BCI015/400	BCI025/400	BCI040/400	3
IC450	425 - 474	5	BCI015/450	BCI025/450	BCI040/450	3
IC500	475 - 515	5	BCI015/500	BCI025/500	BCI040/500	3
IC550	516 - 574	5	BCI015/550	BCI025/550	BCI040/550	3
IC600	575 - 600	5	BCI015/600	BCI025/600	BCI040/600	3

Note: Icon Mechanicals are made bespoke to the exact requirements of the connection. 'Size Manufactured Within' in the table above is an indication of what size each coupling can be manufactured within.

Connect lateral pipes into main drainage systems

Lateral Connections



Lateral Connections (or Saddles) provide a cost effective solution for connecting lateral (or branch) pipes into main systems.

Saddles, when compared with factory made junctions, can offer a multitude of benefits both in procurement and on-site in areas such as H&S, labour, installation time, flexibility and cost.

Benefits

- No adhesives, sealant or concrete required
- Eliminates need to pre-order factory made junctions
- Reduced material and labour cost
- Increases positioning flexibility
- Can be combined with a product 'add-on' to connect different size laterals
- Small and lightweight, easy to transport and handle for quick installation
- Installation unaffected by weather conditions
- Robust and should not be damaged under normal site conditions
- WRC Approved™

	Unisaddle FA150U	Unisaddle FA150B	Unisaddle FA200B
Main Pipe Application	Concrete*/Clay DN300-450**	Concrete* DN450 and above	
Main Pipe Wall Thickness	27.5mm Minimum	50mm Minimum	
Lateral Application	All DN150 pipes when used with a Flexseal Multibush	All DN150 pipes when used with a Flexseal Multibush	All DN200 pipes and selected DN225 pipes
WRc Cert Number	PT/399/0517	PT/382/0415	

*If rebar is present, Flexseal advise that cut sections are given additional protection against water ingress before installing the saddle. **FA150U can connect to larger pipes as an alternative to FA150B if required.

	PA Saddle	UA Saddle
Main Pipe Application	Plastic Structured Wall DN300-600	Plastic Structured Wall DN700 and above
Main Pipe Wall Thickness	To be advised on enquiry	25-125mm
Lateral Application	160mm PVC (Lateral Pipe Adaptors available to connect different sizes/materials)	All (Flexseal coupling required to secure connection)
WRc Cert Number	PT/426/0518	PT/425/0717

Prevent backflow through public drainage systems

Flap Valves



HDPE Flap Valves provide a high strength, low cost solution, preventing backflow through drain or sewerage pipes.

Flap Valves are one-way valves which are installed at the open end of a pipe line or culvert. Their purpose is to allow downstream water to exit the pipe via a one-way flap door, whilst preventing rising water levels outside of the pipe from entering the pipe and flowing back up the system and flooding the protected area. Both lightweight and corrosion resistant, our Flap Valves act as Non-Return Valves and check valves for the prevention of reverse flows.

Benefits

- Lightweight range of flap valves
- Available – wall, spigot or flange mounted
- Low cracking heads
- Easy and quick installation – no need for grout between frame and wall
- Robust and rigid construction
- UV stable
- Fully recyclable
- Materials are corrosion resistant
- Little to no maintenance required



Wall/Flange Mounted	Mounting Set	Bolts (qty)	Chemical Anchor Capsules (qty)	Spigot Mounted	Application
FV100	WMK-01	4	4	FVS100	DN100 pipe
FV150	WMK-01	4	4	FVS150	DN150 pipe
FV200	WMK-01	4	4	FVS200	DN200 pipe
FV250	WMK-01	4	4	FVS250	DN250 pipe
FV300	WMK-01	4	4	FVS300	DN300 pipe
FV350	WMK-02	6	6	FVS350	DN350 pipe
FV400	WMK-02	6	6	FVS400	DN400 pipe
FV450	WMK-02	6	6	FVS450	DN450 pipe
FV500	WMK-02	6	6	FVS500	DN500 pipe
FV600	WMK-02	6	6	FVS600	DN600 pipe

Protect properties from backflow flooding

Non-Return Valves



Non-return valves allow sewer or surface water materials to freely flow in the direction of the systems mains but block backflow of those materials in the opposite direction in instances, such as, flooding.

The range of retrofit Non-Return Valves (NRV's) can be installed directly into existing manholes by simply pushing the NRV into the desired pipe inlet. The product prevents foul water flowing back from the blocked sewerage systems to flood the property from the inside via toilets, plug holes and waste pipes.

Benefits

- Unobtrusive to natural flow
- A proven flood prevention method
- Helps to protect homes, properties, commercial buildings, roads etc
- Also suitable as rodent deterrents with rat block features
- Maintenance free
- Fit into existing manhole in minutes
- WRC Approved™



Product Code	Nominal Diameter (mm)	Size Range (mm)	Description
NRV100	100	97 - 106	Non Return Valve to fit DN100 pipe inlets.
NRV150	150	148 - 153	Non Return Valve to fit DN150 pipe inlets.

Prevent drain odours entering buildings

Drain Seal



Drain Seal by Fernco is specifically designed to prevent contaminants entering properties/buildings from drains.

The EPDM rubber valve, which can be simply retro fitted into a riser pipe, acts as a one way valve allowing waste water to exit the building whilst blocking the return of odours, soapy suds, insects, viruses etc.

The EPDM rubber seal is moulded and designed as an easy to use, self-cleansing, single component device, with the flexibility to allow even low flow rates of waste water through. Furthermore, it provides the benefit of increasing the effectiveness of the water trap it is installed above, by creating an airtight seal which reduces the rate of water loss.

Product Code	Size Range (mm)
DS100	99-103

Benefits

- Fits 100mm pipes
- Fit in seconds
- Remove and re-fit as needed
- Maintenance free
- Permanent cost effective solution
- Stops insects, suds and odours and viruses
- WaterMark certified



Prevent insects

Stop insects entering homes via baths, sinks & showers.



Prevent suds

Avoid the build up of soapy suds pouring out of grates.



Prevent odours

Block any unwanted odours caused by standing water.



Prevent virus spread

Block pathogens entering properties via drain pipes.



Trace waste water paths through a drainage system

Drain Tracing Dye



Drain Dye is a non-toxic and odourless drain tracer product for finding leaks, drain damage, contamination and water pathways. It is easy to use, non-harmful and highly concentrated.

The Drain Dye adds a strong colour to water – use just a teaspoon of Drain Dye with 10 litres of water to trace the underground flow of a drainage system. Whether a sewerage pipe or grey water system, the Drain Dye is a quick and simple system, giving the information you need to proceed with a project.

Product Code	Packed Contents	Colour
DTD200_GREEN	200ml	Green
DTD200_RED	200ml	Red

Benefits

- Used to locate the direction of water flow in pipes, drains etc
- Water soluble
- Non-toxic
- User friendly
- Handy tubs for repeated use
- Completely safe to use in drainage pipelines
- 2 colours available: Red and Green
- Extremely concentrated

Prepare pipes for connection

Pipe Lubricant



Pipe lubricant is an essential contractor requirement when installing drainage systems. This range includes lubricant for Plastic, Clay and Concrete pipes in a variety of tube/tub sizes.

Available in tubes or tubs, pipe lubricant can be applied by hand or bush. The packaging can be resealed for storage and repeated use.

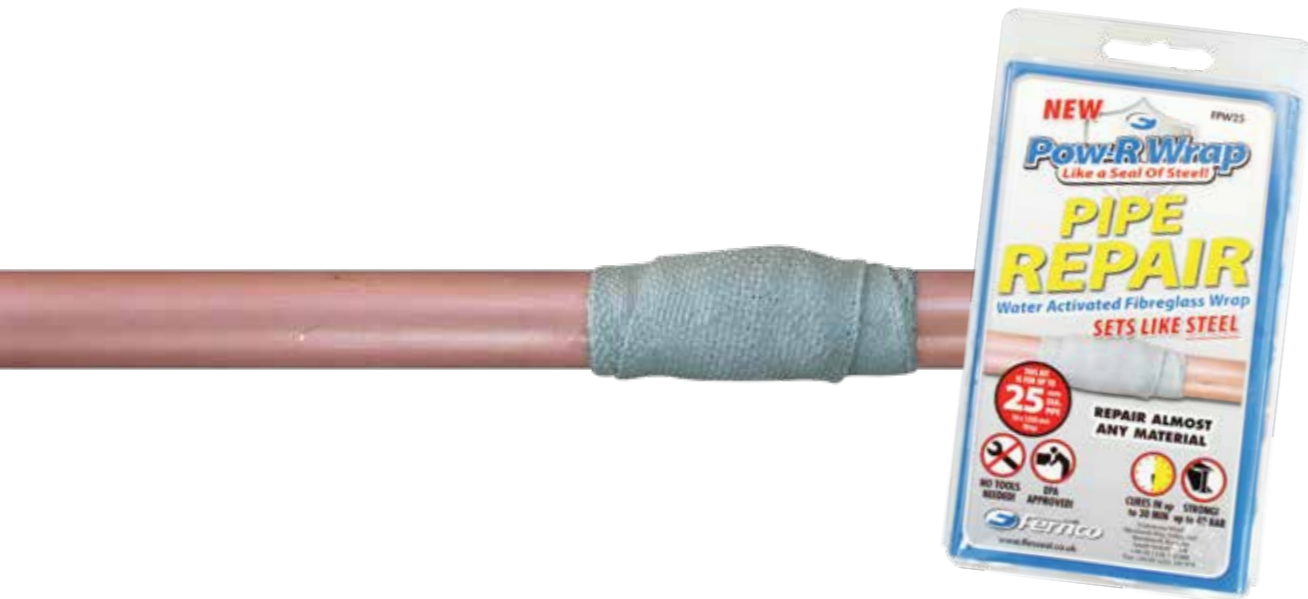
Product Code	Packed Contents	Box Quantity (min order)
PL500NX	500ml	1
PL1NX-6	1kg	6
PL1SB-6	1kg	6
PL3NX-4	3kg	4
PL3SB-4	3kg	4
PL5DSO	5kg	1

Benefits

- Essential in aiding the installation of drainage systems
- Available for popular pipe materials
- Re-sealable packaging for repeated use
- Packaging is tough enough for site conditions
- User friendly

Wrap pipes to seal leaks almost instantly

Pow-R Wrap



Pow-R Wrap is a fast and easy to use, water-activated fibreglass wrap used for the repair of cracked, split or broken pipes.

Pow-R wrap is a strong, permanent and economical repair, which works on virtually every kind of pipe and hose. The wrap can be used on all fluid bearing pipes and hoses including potable water, steam, air, gas, sewerage and fuel hydraulics.

It's an easy alternative to traditional methods such as cementing, soldering, welding, sleeving and replacement. The wrap will work on wet, dry, clean, dirty or corroded pipes, and even under water (salt or fresh) and can be sanded and painted if desired.

Product Code	Application Pipe Sizes	Fibreglass Wrap Size (mm)
FPW25	Up to 25mm diameter	50 x 1200
FPW80	25-76mm diameter	76 x 3350
FPW150	76-150mm diameter	100 x 6400

Repairs virtually any material

- Copper
- Plastics
- PVC Pipe
- Concrete
- Rubber
- Fibreglass
- Galvanised

Create point of access of soil stacks

Access Point



Access Point offers its users the ability to create a point of access into soil stacks and securely seal afterwards with a fitting that doesn't degrade the aesthetics of the soil stack.

The Access Point is designed for entry into drainage systems where no manhole exists, or there is no other means of access for inspection purposes. The fitting can be removed and refitted for future access into the line. Fitting DN70, DN100 and DN150 pipes of plastic, ductile and cast iron materials, the Access Point is a perfect on-the-job essential.

Product Code	Application Pipe Sizes	Contents
PDCCTV10	DN70, DN100, DN150	Access Point (x10)
PDCCTV20	DN70, DN100, DN150	Access Point (x20)
PDCCTVKIT	DN70, DN100, DN150	Access Point (x10), Core Drill Bit, De-burring Tool, 6mm Allen Key

Benefits

- Creates a professional and tidy finish
- Quick and easy installation
- Can be removed and refitted
- Withstands up to 1 bar pressure
- Available as an installer kit
- Pre-assembled for direct insertion into the host pipe

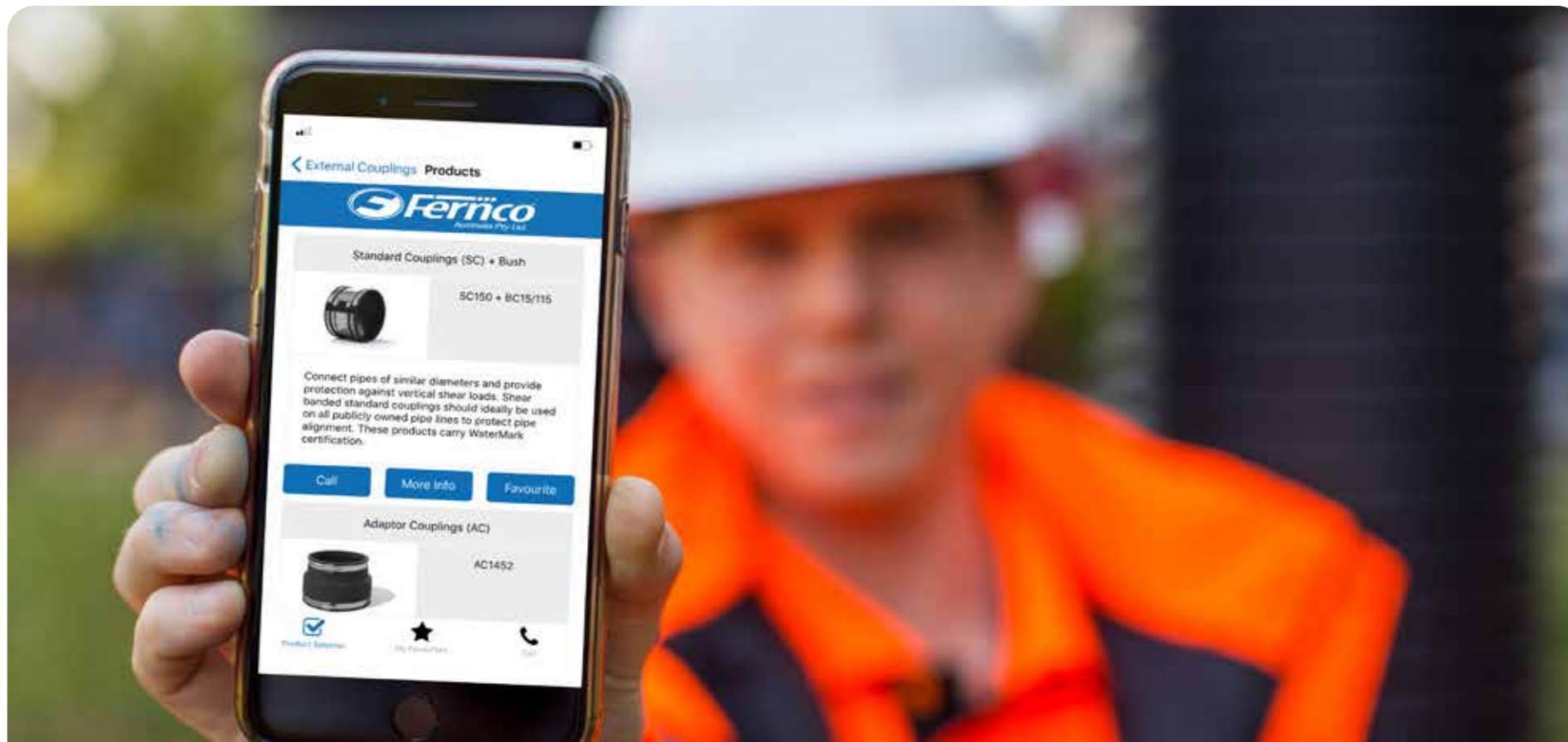


Fernco Academy

Putting stock onto shelves is just the first phase in our partnership with customers. After this, your teams knowledge of Fernco products is of the up-most importance. And over the years Fernco have helped us to developed merchant relevant training materials focused on:

- **Products and their applications**
- **Site and project scenarios**
- **Sales tips & tactics**
- **Best practice**
- **Stock profiling**
- **Becoming more competitive**

We can deliver training in branch, at Hydroflows distribution site or online at academy.fernco.com.au



Fernco App

Find the product you need in seconds with the Fernco Product Selector App. When time is of the essence, trying to figure out which coupling is required to make a connection can be a stressful task. The Fernco App takes the time and stress out of specifying Fernco products by specifying them for you.

Also available online at findmy.fernco.com.au

Have you seen our full range of products?

Visit www.fernco.com.au



Find the product you need in seconds  **Fernco App**
for iOS & Android



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