

Akatherm - HDPE Drainage System



The Akatherm HDPE system has a full range which includes pipes, bends, junctions, reducers, traps and electrofusion couplers.

Akatherm HDPE is versatile with high temperature and chemical resistance which makes it ideal for drainage in apartments and commercial buildings through to industrial use. It is flexible and tough and can be installed underground and embedded in concrete.

It is a closed system which makes it ideal for many trade waste applications like industrial and laboratory fluids where system integrity and secure connections are critical.

The diameter range of the pipes goes from 40mm up to 315mm.

Applications

- › Residential and commercial multi-storey buildings
- › High-rise buildings
- › Commercial kitchens
- › Industrial drainage systems
- › Rainwater drainage

Components of the system

PE DRAINAGE PIPE 5 METRES



ITEM NUMBER	ITEM DESCRIPTION
A100400	40mm x 5m
A100500	50mm x 5m
A105600	56mm x 5m
A100600	63mm x 5m
A100700	75mm x 5m
A100900	90mm x 5m
A101100	110mm x 5m
A101200	125mm x 5m
A101600	160mm x 5m
A102010	200mm x 5m
A102510	250mm x 5m
A103110	315mm x 5m

PE DRAINAGE BEND 45°



ITEM NUMBER	ITEM DESCRIPTION
A120445	40mm
A120545	50mm
A125645	56mm
A120645	63mm
A120745	75mm
A120945	90mm
A121145	110mm
A121245	125mm
A121645	160mm
A122045	200mm
A122545	250mm
A123145	315mm

REDUCER ECCENTRIC LONG



ITEM NUMBER	ITEM DESCRIPTION
A142012	REDUCER 200mm/125mm
A142016	REDUCER 200mm/160mm
A142520	REDUCER 250mm/200mm
A143120	REDUCER 315mm/200mm
A143125	REDUCER 315mm/250mm

CLEANOUT BRANCH 90°



ITEM NUMBER	ITEM DESCRIPTION
A230400	CLEANOUT BRANCH 40mm
A230500	CLEANOUT BRANCH 50mm
A230900	CLEANOUT BRANCH 90mm
A231120	CLEANOUT BRANCH 110mm
A231200	CLEANOUT BRANCH 125mm/110mm
A231620	CLEANOUT BRANCH 160mm/110mm
A232000	CLEANOUT BRANCH 200mm/110mm
A232500	CLEANOUT BRANCH 250mm/110mm
A233100	CLEANOUT BRANCH 315mm/110mm

**PE DRAINAGE
BEND 88°**



ITEM NUMBER	ITEM DESCRIPTION
A120488	40mm
A120588	50mm
A125688	56mm
A120688	63mm
A120788	75mm
A120988	90mm
A121188	110mm
A121288	125mm
A121688	160mm
A122088	200mm
A122588	250mm
A123188	315mm

**REDUCER
ECCENTRIC**



ITEM NUMBER	ITEM DESCRIPTION
A160504	REDUCER 50mm/40mm
A165604	REDUCER 56mm/40mm
A165605	REDUCER 56mm/50mm
A160604	REDUCER 63mm/40mm
A160605	REDUCER 63mm/50mm
A160656	REDUCER 63mm/56mm
A160704	REDUCER 75mm/40mm
A160705	REDUCER 75mm/50mm
A160756	REDUCER 75mm/56mm
A160706	REDUCER 75mm/63mm
A160904	REDUCER 90mm/40mm
A160905	REDUCER 90mm/50mm
A160956	REDUCER 90mm/56mm
A160906	REDUCER 90mm/63mm
A160907	REDUCER 90mm/75mm
A161104	REDUCER 110mm/40mm
A161105	REDUCER 110mm/50mm
A161156	REDUCER 110mm/56mm
A161106	REDUCER 110mm/63mm
A161107	REDUCER 110mm/75mm
A161109	REDUCER 110mm/90mm
A161256	REDUCER 125mm/56mm
A161206	REDUCER 125mm/63mm
A161207	REDUCER 125mm/75mm
A161209	REDUCER 125mm/90mm
A161211	REDUCER 125mm/110mm
A161611	REDUCER 160mm/110mm
A161612	REDUCER 160mm/125mm

JUNCTIONS 88.5°



ITEM NUMBER	ITEM DESCRIPTION
A120488	JUNCTION 40mm
A120588	JUNCTION 110mm
A125688	JUNCTION 110mm/56mm

JUNCTIONS 45°



ITEM NUMBER	ITEM DESCRIPTION
A300404	JUNCTION 40mm
A300504	JUNCTION 50mm/40mm
A300505	JUNCTION 50mm
A305604	JUNCTION 56mm 40mm
A305605	JUNCTION 56mm /50mm
A305656	JUNCTION 56mm
A300604	JUNCTION 63mm/40mm
A300605	JUNCTION 63mm/50mm
A300656	JUNCTION 63mm /56mm
A300606	JUNCTION 63mm
A300704	JUNCTION 75mm/40mm
A300705	JUNCTION 75mm /50mm
A300756	JUNCTION 75mm/56mm
A300706	JUNCTION 75mm/63mm
A300707	JUNCTION 75mm
A300904	JUNCTION 90mm 40mm
A300905	JUNCTION 90mm /50mm
A300956	JUNCTION 90mm /56mm
A300906	JUNCTION 90mm/63mm
A300907	JUNCTION 90mm/75mm
A300909	JUNCTION 90mm
A301104	JUNCTION 110mm 40mm
A301105	JUNCTION 110mm/50mm
A301156	JUNCTION 110mm/56mm
A301106	JUNCTION 110mm /63mm
A301109	JUNCTION 110mm/90mm
A301111	JUNCTION 110mm
A301205	JUNCTION 125mm/50mm
A301256	JUNCTION 125mm/56mm
A301206	JUNCTION 125mm/63mm
A301207	JUNCTION 125mm /75mm
A301209	JUNCTION 125mm/90mm
A301211	JUNCTION 125mm/110mm
A301212	JUNCTION 125mm
A301605	JUNCTION 160mm/50mm
A301606	JUNCTION 160mm/63mm
A301607	JUNCTION 160mm /75mm
A301609	JUNCTION 160mm/90mm
A301611	JUNCTION 160mm/110mm
A301612	JUNCTION 160mm/125mm
A301616	JUNCTION 160mm
A302006	JUNCTION 200mm/63mm
A302007	JUNCTION 200mm/75mm
302009	JUNCTION 200mm/90mm
A302011	JUNCTION 200mm/110mm
A302012	JUNCTION 200mm/125mm
A302016	JUNCTION 200mm/160mm
A302020	JUNCTION 200mm
A302507	JUNCTION 250mm/75mm
A302512	JUNCTION 250mm/125mm

**PE DRAINAGE
EXPANSION
SOCKET**



ITEM NUMBER	ITEM DESCRIPTION
A400420	40mm
A400520	50mm
A405620	56mm
A400620	63mm
A420720	75mm
A420920	90mm
A421120	110mm
A421220	125mm
A421620	160mm
A403120	315mm

**INSPECTION
CAP AND BASE**



ITEM NUMBER	ITEM DESCRIPTION
A660540	50mm
A660640	63mm
A660940	90mm
A661140	110mm

**PLUG IN SOCKET WITH
PROTECTIVE PLUG**



ITEM NUMBER	ITEM DESCRIPTION
A421150	110mm
A420750	75mm
A420050	90mm

**SNAP SOCKETS WITH
PROTECTIVE PLUG**



ITEM NUMBER	ITEM DESCRIPTION
A400910	90mm
A401110	110mm

**PE DRAINAGE
ELECTROFUSION
COUPLER**



ITEM NUMBER	ITEM DESCRIPTION
A419830	AKAFUSION WELDER CB160 (40-160mm)
A419910	AKAFUSION WELDER CB315-U (40-315mm)
A419971	CB315-U YELLOW OUTPUT LEADS 40-160mm
A419972	CB315-U BLUE OUTPUT LEADS 200-315mm
A419975	CB315-U BLUE OUTPUT LEADS 200-315mm

**END CAP
(BUTT WELD)**



ITEM NUMBER	ITEM DESCRIPTION
A670407	40mm
A670507	50mm
A675607	56mm
A670607	63mm
A670707	75mm
A670907	90mm
A671107	110mm
A671209	125mm
A671609	160mm
A672009	200mm
A672509	250mm
A673109	315mm

TRAP



ITEM NUMBER	ITEM DESCRIPTION
A040401	S TRAP 40mm
A050501	S TRAP 50mm

**4 FOLD BOSS
JUNCTION 88.5°**



ITEM NUMBER	ITEM DESCRIPTION
A441114	110/50 88.5°

**PE DRAINAGE
ELECTROFUSION
COUPLER**



ITEM NUMBER	ITEM DESCRIPTION
A410495	40mm
A410595	50mm
A415695	56mm
A410695	63mm
A410795	75mm
A410995	90mm
A411195	110mm
A411295	125mm
A411695	160mm
A412065	200mm
A412565	250mm
A413165	315mm

AKAVENT AERATORS



ITEM NUMBER	ITEM DESCRIPTION
A601117	110mm
A601617	160mm

Akasion siphonic roof drainage system uses Akatherm pipes and fittings. Marley offers a local design service for Akasion siphonic drainage project.

Manufacturer

The range of fittings and valves are distributed by Marley and manufactured by a sister company.

Aliaxis Nederland BV

- › Industrierrein 11,
5981 NK Panningen, Netherlands
- › www.aliaxis.nl
- › info@aliaxis.com

Others

Vinidex Pty Ltd

- › 288 Woodpark Rd, Smithfield
NSW 2164, Australia
- › vinidex.com.au
- › info@vinidex.com.au

Relevant Building Code Clauses

Akatherm HDPE drainage system when used, installed, and maintained in accordance with the requirements outlined in this document, will meet or contribute to meeting:

- › NZBC Clause B2: Durability – Depending on the scenario, no less than 15 years of 50 years
- › NZBC Clause F2: Hazardous Building Materials – Meets this requirement and will not present a health hazard to people
- › Clause G13 Foul Water
- › Meets the requirements for G13.3.1 and G13.3.2

Quality Assurance

Akatherm PE drainage complies with EN1519, pipes and fittings manufactured in Australia hold WaterMark certification for:

- › AS/NZS 4401 – Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings - Polyethylene
- › AS/NZS 5065 – Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications

Limitations on the use

The Akatherm system is only used in non-pressure applications.

Design

Refer to [Chemical Resistance Table](#), as a guide only for the compatibility of various chemicals.

Installation

All Akatherm pipes and fittings shall be installed according to the manufacturer installation procedures and guidelines.

Refer to [Installation Instructions](#).

Maintenance

Once Akatherm HDPE Drainage System are correctly installed, according to the manufacturer installation procedures and guidelines, there is no specific maintenance required.

Warning and/or Bans

Akatherm HDPE Drainage System is not subject to any warning or ban.