

FLOW CONTROL

INDUSTRIAL



We are problem solvers - that's our core business.
We represent some of the best brands in the world
for steel and flow control products.

By combining our extensive product range with our
local knowledge, we offer our clients
comprehensive tailored solutions.

We service the following industrial market
segments:

- Chemical Processing
- Water & Wastewater Treatment
- Power & Energy Generation
- Pulp & Paper
- Oil & Gas

OUR STORY.

We're a successful New Zealand owned business that's been trusted to deliver for our customers for 100 years.

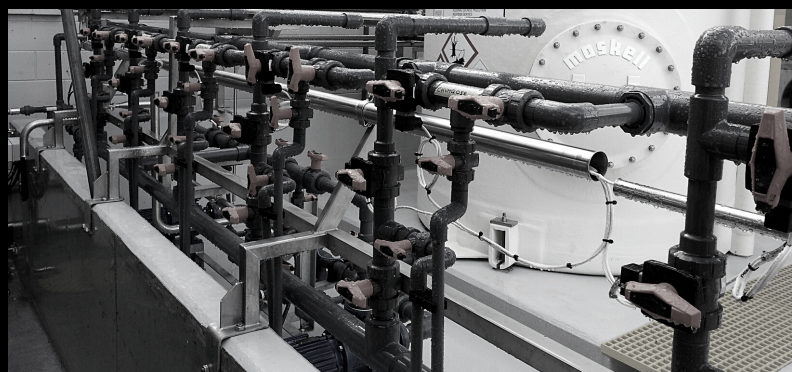
Founded in 1920, the Asmuss Group has supplied many of the biggest industrial and construction projects in New Zealand and is one of the largest privately-owned companies in its field.

A focus on quality products, technical excellence and exceptional customer service has been the cornerstone of our philosophy.

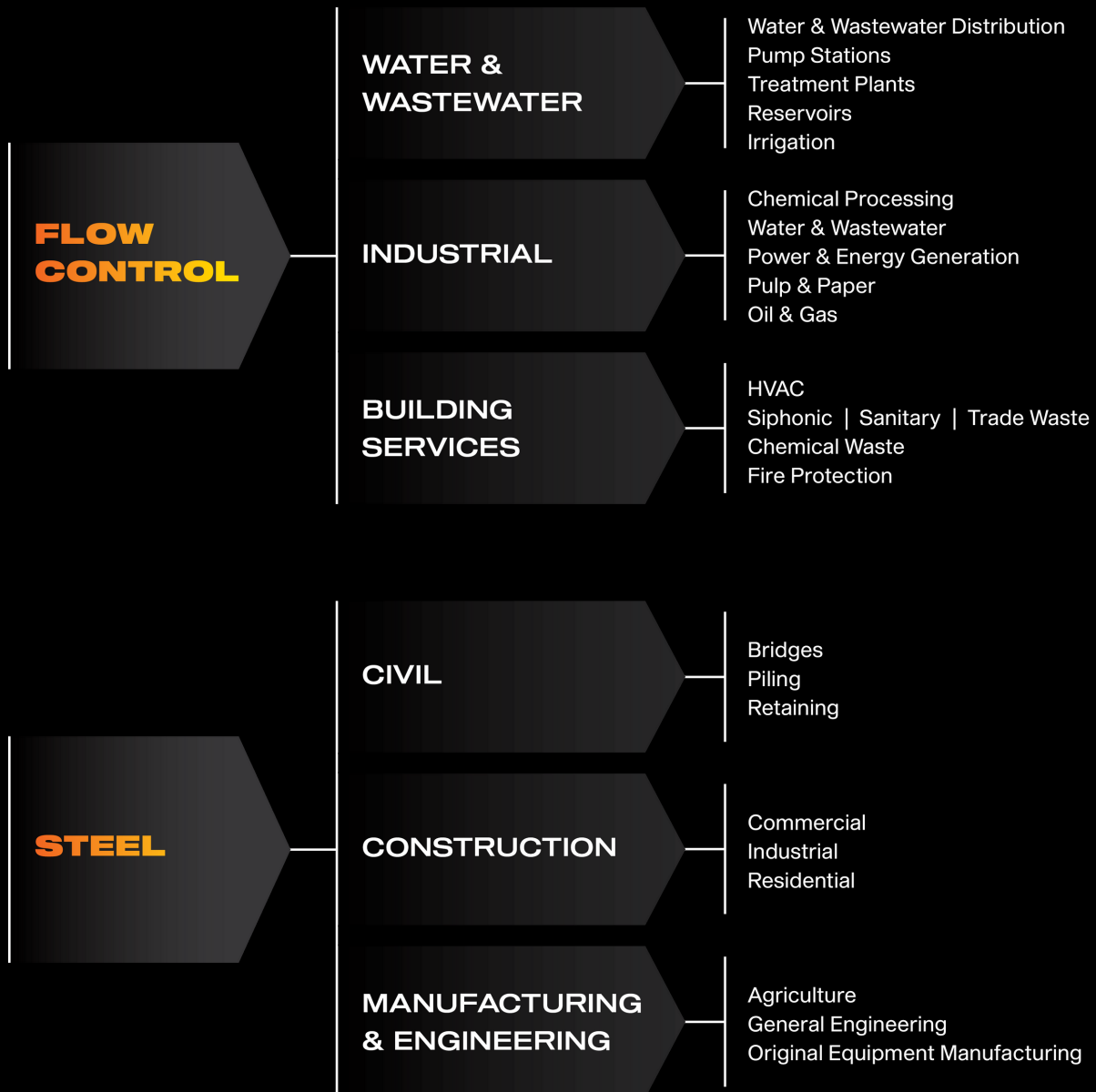
We believe longevity in business is about having a true partnership with our valued suppliers and customers, going through the ups and downs, and succeeding together.

OUR EXPERTISE.

- We understand your market and it's unique challenges
- Our specialist team sources the best brands around the globe
- We coordinate our resources across all sites to ensure you receive the optimal product combination tailored to meet your specific requirements
- We offer local technical sales support and installation training
- We have proven experience in supplying products to New Zealand's biggest manufacturing plants



ONE COMPANY, MANY SOLUTIONS.



**WE'RE HERE
TO CREATE
A STRONGER
NEW ZEALAND
BY HELPING
OUR CUSTOMERS,
COMMUNITIES
AND PEOPLE
SUCCEED.**



PLASTIC PIPING SYSTEMS.

POLYETHYLENE



Asmuss is a leading manufacturer and distributor of polyethylene piping systems in New Zealand and carries a comprehensive range of fittings and equipment, backed by technical advice and service.

SCHEDULE 80 PVC

The +GF+ PVC Schedule 80 Piping system is truly an industrial product. Often referred to as 'Hi Strength' PVC, its industrial grade wall thickness and excellent chemical resistance, make it ideally suited for industrial process applications where system integrity is vital. Schedule 80 is a complete system with valving and instrumentation components available. PVC Schedule 80 offers excellent resistance to most acids and alkalis.



SCHEDULE 80 CPVC



Chlorinated Polyvinyl Chloride (CPVC) piping materials have an operational temperature range from 0° to 80° and are suitable for high temperature environments. The excellent mechanical characteristics such as a high tensile strength, stiffness and impact strength are evident even at increased temperatures

METRIC PVC PN16

The +GF+ Metric PVC-U system is designed for industrial applications and is commonly used to convey chemicals, aggressive media and water. This European product range is produced from high quality raw materials specifically for demanding applications and for compatibility with the +GF+ range of industrial valving.



PPH

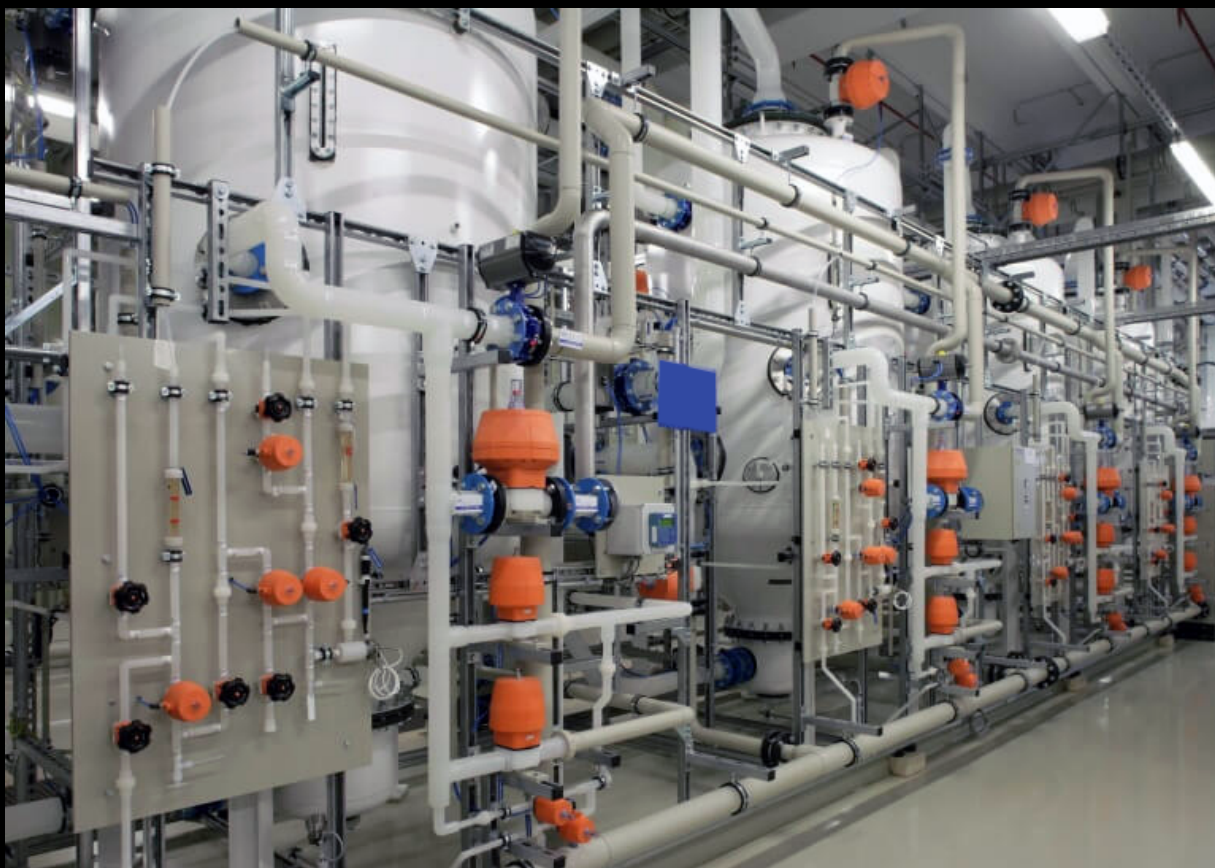
The +GF+ PPH piping system is renowned for its excellent resistance to a wide range of chemicals, and its ability to withstand temperatures up to 95°C.

Manufactured from Polypropylene Homopolymer PPH 100 beta (β) - nucleated, the +GF+ PPH system is designed specifically for industrial applications.



It differs from other types of polypropylene in that it has a very fine structure and significantly higher impact strength. This high degree of crystallinity ensures excellent chemical resistance, which is further improved by the use of titanium dioxide pigment.

The +GF+ PPH system, is joined using either socket fusion or infra-red (IR) welding for high purity applications. Fittings for both jointing methods are detailed within this price list.



PVDF



The +GF+ PVDF piping system is renowned for its outstanding mechanical, physical and chemical characteristics and its ability to withstand a wide temperature range from -20°C to 140°C

This high end piping system is ideally suited for the delivery of pharmaceutical grade purified water (PW) and DI water, using hot water, steam chemical or ozone sanitisation. Due to its excellent chemical resistance it is widely used in chemical distribution systems.

PLASTIC PIPING SYSTEMS.

DUAL CONTAINMENT

One solution protects you twice – reliable and safe, designed for the transport of hazardous media.

Contain-It Plus is a double containment system with highest safety due to two fully sealed containment zones.



It combines the chemical resistance of dedicated inner pipe with the additional safety of a containment pipe. It features a wide standard product portfolio with fittings, valves, electrical and pneumatic actuators, mechanical connections and leak detection systems.

The Medium Pipe can be made from different plastics while the jacket pipe is always PE100. Various leakage control systems are available.

ABS

Acrylonitrile butadiene styrene (ABS) is a homogeneous material with high impact strength and ductility, good chemical resistance, good resistance to environmental stress cracking and excellent resistance to crack propagation.



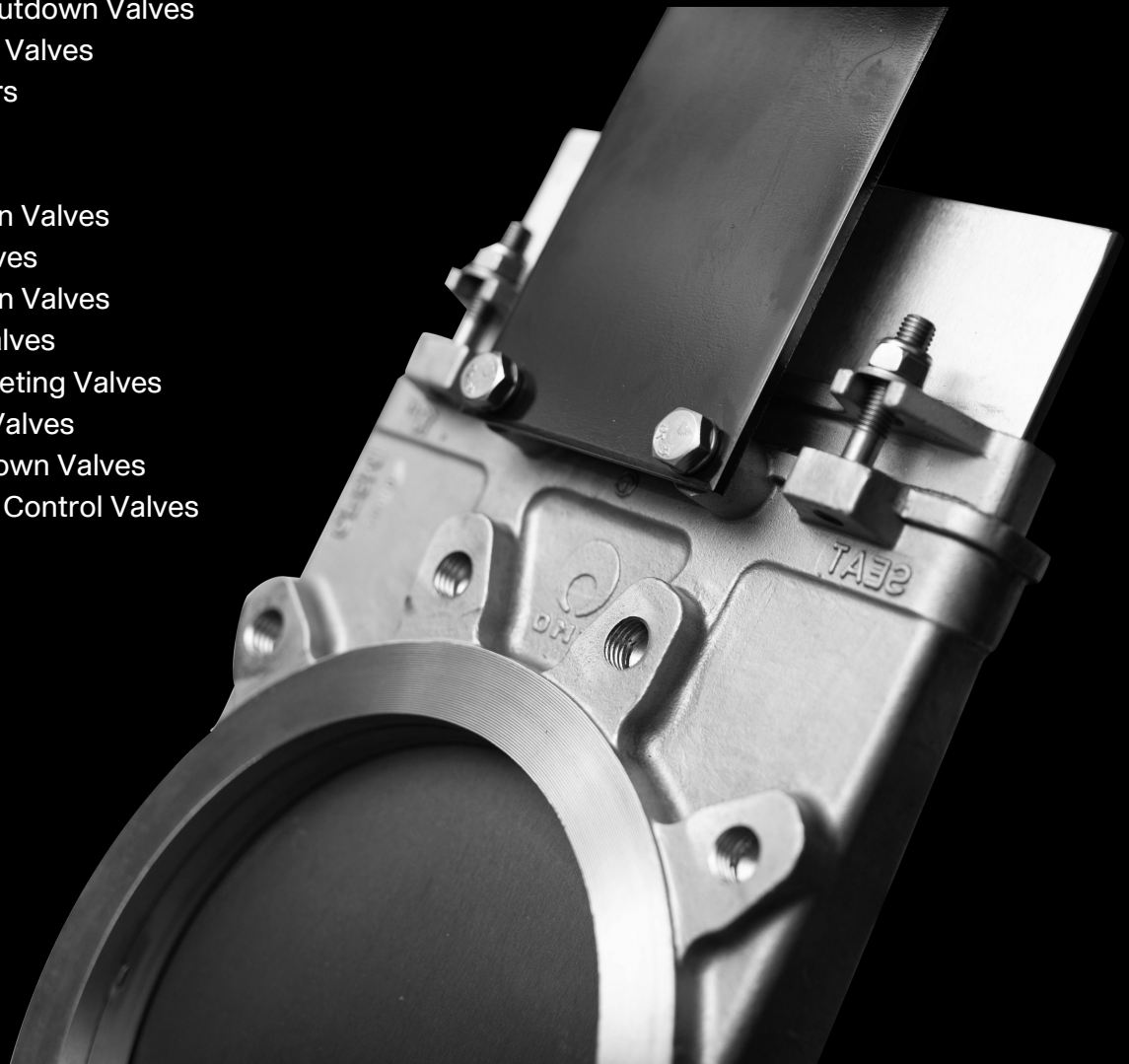
Other advantages are its suitability for use at low temperatures [-40°C], it is easily recyclable and is non-toxic, and can be regarded as biologically inert. Also, ABS has a smooth inner bore reduces pressure losses to a minimum and can reduce the size of piping required in comparison with other less efficient systems

COMPONENTS.

- Flanges
- Gaskets
- Grooved Fittings
- Rubber Bellows
- Stud Bolts
- Uni-Couplings

VALVES.

- Actuation
- Air Valves
- API 6A Valves
- Ball Valves
- Check Valves
- Conical Discharge Valves
- Control Valves
- Diaphragm Valves
- Emergency Shutdown Valves
- Exotic Material Valves
- Flame Arrestors
- Gate Valves
- Globe Valves
- Instrumentation Valves
- Knife Gate Valves
- Larner Johnson Valves
- Submerged Valves
- Nitrogen Blanketing Valves
- Tank Venting Valves
- Turbine Shutdown Valves
- Pilot Operated Control Valves
- Safety Valves



METAL PIPING SYSTEMS.

GALVANISED & PRIMED STEEL

Galvanised pipe is Hot Dip Galvanised/Zinc coated with 300GM/sqm coating thickness.

This is far superior to a pre galvanised product due to its durable protective coating.

The main applications of Galvanised pipes are water reticulation, fire protection, fencing, scaffolding and manufacturing.



Primed Pipe is essentially just an uncoated (NOPC) pipe with a red water-based primer.

This helps ensure no rust in transit and storage. It also acts as a primer for secondary paint applications. It provides extra protection and durability.

Primed steel helps prevent corrosion and oxidation.

Uses are very similar as galvanised pipe but primed is used more in fabrication as welding is quicker as they do not have to remove galvanised coating before welding and goods that are fabricated are traditionally hot-dip galvald or painted as a finished product.



STAINLESS STEEL-MAPRESS



Geberit Mapress Stainless Steel is especially suited to drinking water installations and industrial applications. Separate fitting assortments for gas, solar and special applications. Thanks to the pressing technology, installations can be carried out reliably and quickly without complex connection methods.

Geberit Mapress Stainless Steel is a highly effective supply system that can be used for wide range of applications. The pressing system ensures corrosion resistance and enables thermal disinfection. The permanently leak-proof connections ensure safe hygiene.

SEAMLESS LINE PIPE SYSTEMS

Seamless Pipe is hot formed from billet using the drawn over mandrel method and as the name implies it is seamless (no weld seam).

Seamless pipes are able to withstand high pressures.

They are widely used in high-pressure applications including refineries, hydraulic cylinders, hydrocarbon industries, and in Oil and Gas infrastructure.



ELECTRIC RESISTANCE WELDED (ERW) LINE



Electric resistance welded (ERW) pipe is fabricated by cold-forming a sheet of steel into a round and hollow shape. Current is passed between the two edges of the steel to warm the steel to a point at which the edges are constrained together to make a bond without the utilize of welding filler fabric.

Owing to their diverse usability and reliability, ERW pipes are popularly used for drinking water, thermal powers, in collieries for water extraction, used as hand pumps for boring wells as protection for cables by telecom sector.



RECENT PROJECTS.

1 HAUMOANA WATER TREATMENT PLANT- NAPIER

The existing bores were too high in iron and manganese, which didn't meet drinking water standards.

A project was launched to investigate new bores (drilled on Palomino Rd) and build a new plant (\$4.1m), consisting of a containerised treatment plant, where water is disinfected using ultra-violet light, before being chlorinated and stored in the tank, for distribution throughout the 25 kilometres of pipe to homes.

The plant is designed and built to deliver 176m³/h, with site storage capacity of 600m³.

2 PUKETE WASTEWATER TREATMENT PLANT- HAMILTON

Hamilton is New Zealand's fourth largest city and one of its fastest growing. With more than 200,000 people expected to call Hamilton home in the next 10 years and with significant new growth areas being developed, demands on water resources are only set to increase.

Hamilton's existing wastewater treatment plant could no longer cope with the load and needed an urgent upgrade to increase capacity. A new plant was designed and +GF+ was specified to be used for most of the piping systems.

The upgraded system services over 50,000 households and provides waste services to 4,000 commercial and industrial premises.

The pipe work also included a significant amount of the +GF+ Contain-It Plus dual containment systems.



ASMUSS

STEEL & FLOW CONTROL

AUCKLAND

34 Arrenway Drive
Albany
Auckland 0632
PH +64 9 477 2320

6 Gabador Place
Mount Wellington
Auckland 1060
PH +64 9 573 0002

8 Clemow Drive
Mount Wellington
Auckland 1060
PH +64 9 573 0030

WAIKATO

40 Bryant Road
Te Rapa
Hamilton 3200
PH +64 7 849 2410

WAIKATO PLANT

541 Te Rapa Road,
Te Rapa
Hamilton 3200
PH +64 7 849 0535

KAWERAU

KEA 2 Industrial Park
Manukorihi Drive
Kawerau 3127
PH +64 7 323 6198

TAURANGA

40 Portside Drive
Mt Maunganui
Tauranga 3116
PH +64 7 574 6774

TAUPO

464 Rakaunui Road
Rotokawa
Taupo 3378
PH +64 7 377 8416

WELLINGTON

11-13 Gough Street
Lower Hutt
Wellington 5010
PH +64 4 939 6699

NEW PLYMOUTH

82 De Havilland Drive
Bell Block
New Plymouth 4312
PH +64 6 755 2570

NELSON

8 Saxton Road West
Stoke
Nelson 7011
PH +64 3 538 0351

CHRISTCHURCH

60 - 70 Detroit Drive
Rolleston
Christchurch 7614
PH +64 3 347 1568

5 Paradyne Place,

Wigram
Christchurch 8042
PH +64 3 348 4087

DUNEDIN

3 White Street
Dunedin Central
Dunedin 9016
PH +64 3 477 2323

WWW.ASMUSS.CO.NZ

0800 ASMUSS