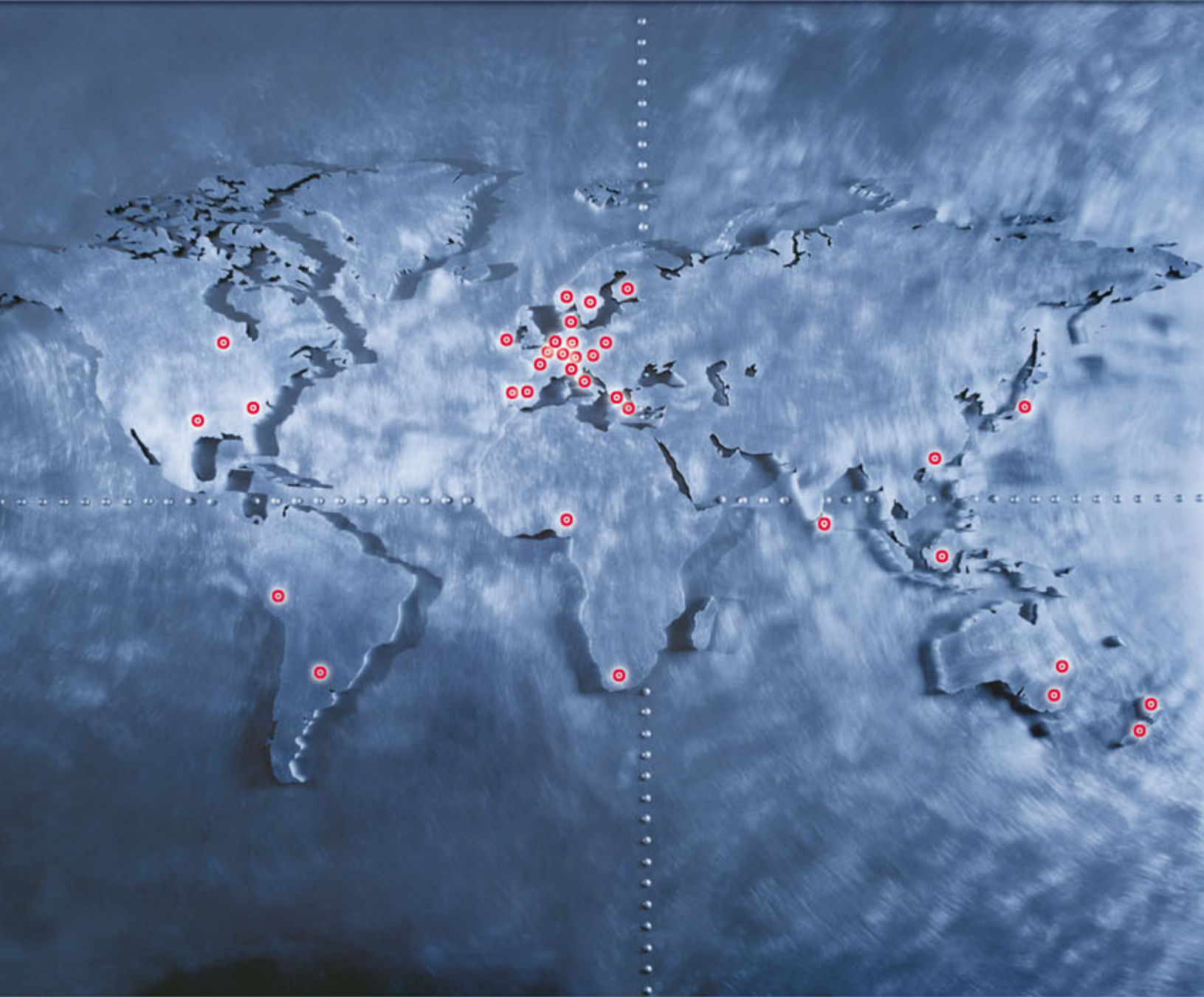


nk northvalekorting

specialists in flow control equipment



Northvale Korting Global Contacts



UK & Ireland | Europe | Africa | Middle East | Asia | America | Australia

Visit our website for regional representation - www.northvalekorting.co.uk

Introduction

Northvale Engineering began manufacturing and Supplying Process Control Valves and Fluid handling products in 1968.

The Korting name has been associated with Ejectors for over 100 years, although designs and applications have changed over the years, Korting Fluid Jet equipment continues to provide effective and sometimes the only practical solution to many Industrial problems.



Northvale Korting was formed by the amalgamation of Northvale Engineering and Korting International in 1985.

From its modern well equipped offices and factory in Leicester the company produces a wide range of quality products that it sells into the Chemical, Petrochemical, Pharmaceutical, Food & Beverage, Water & Waste Water, Oil & Gas, Marine, Automotive, H&V and Industrial Process Markets.



Markets

Chemical | Petrochemical | Pharmaceutical | Food & Beverage | Water



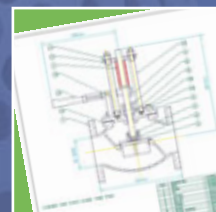
Waste Water | Oil & Gas | Marine | Automotive | H&V & Industrial Process

Customer Service

Northvale Korting is determined to provide a technical solution, which significantly improves the operating environment and optimises the efficiency of our customers installed assets. Our Sales department consists of a highly focused and experienced team of engineers who can respond quickly to any customer request. Valve or Fluid Jet product sizing and selection is computerised and customers can be provided with fully documented quotations at proposal stage.

Information relating to the following areas is available for all Northvale Korting products to ensure complete Customer Service satisfaction:

- Storage & Handling
- Installation
- Operation & Maintenance
- Health & Safety



Design & Engineering

Our Technical department fully utilises computer aided design equipment and are capable of sizing and developing Valves and Fluid Jet products for a wide range of process applications. We can also test product performance characteristics against design parameters.



Production Control

Northvale Korting operate a fully integrated computer controlled manufacturing system, which ensures we can promptly supply all our customers precise needs.

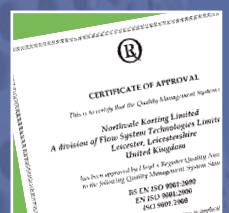


Manufacturing

All aspects of machining, fabrication, assembly and testing are controlled at every stage. A range of CNC machines are used to ensure component accuracy and repeatability, where 100% hydraulic testing provides our guarantee of complete satisfaction.

Quality Assurance

Northvale Korting operates a Quality Management System in accordance with ISO 9001:2008, accredited by LRQA certificate no LRQ0850104. We are committed in our quest for excellence at all levels of our activity and welcome ideas from customers in our pursuit of achieving this objective.



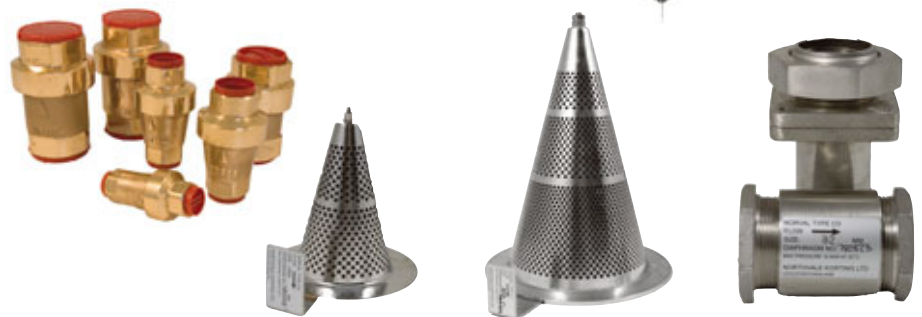
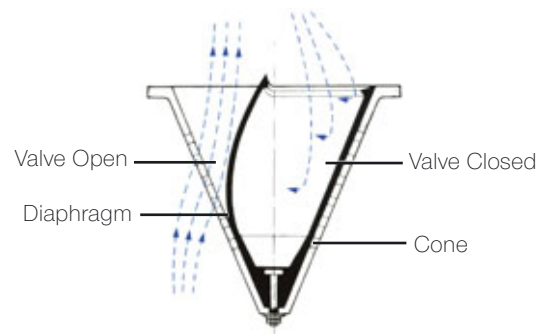
Control Valve Primary Functions & Applications

- Control the flow of primary heating fluid
- Control the pressure of the media in distribution lines at precise operating levels
- Used in conjunction with flowmeters to accurately control flow of media
- Bellows sealed version for critical installations
- Three port valves for mixing / diverting duties
- HVAC Temperature Control on Air Handling Units
- Vessel Heating / Cooling Temperature Control
- Steam, Air or Fluid Pressure Reduction
- Heat Exchanger Controls
- Electric or Pneumatic Actuation



Norval Non-Return Valve Primary Functions & Applications

- Allow flow within a system in the desired direction only
- Prevent contamination of liquids already in a system
- Prevent damage to pipework or components
- Between flanges, gunmetal or stainless steel body screwed connections, flanged body, CIP RJT or IDF Stainless Steel housing
- Pump Discharge & Multi-Pump Installation
- Foot Valve, Sump or Boreholes
- Tank Venting
- Aggressive Liquid Applications
- Fire Systems, Jockey Pump Pressurisation
- CIP Systems



Korting Fluid Jet Primary Function & Applications

The Korting Fluid Jet range is a group of products, most of which operate on the ejector principle. This means that they have no moving parts and generally utilise a pressurised motive fluid such as water, steam or compressed air to drive them.

A range of typical applications are shown below and the benefits of using this type of equipment include:

- No moving parts or electric power and therefore minimal maintenance
- Simple to install and locate in restricted or remote spaces and hazardous zones
- Self-priming therefore ideal for intermittent use
- Can be manufactured in most materials, size range from 10mm - 500mm NB



fig.1

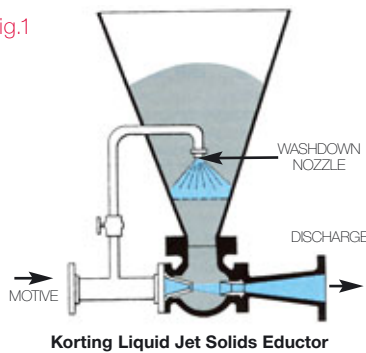


fig.1a

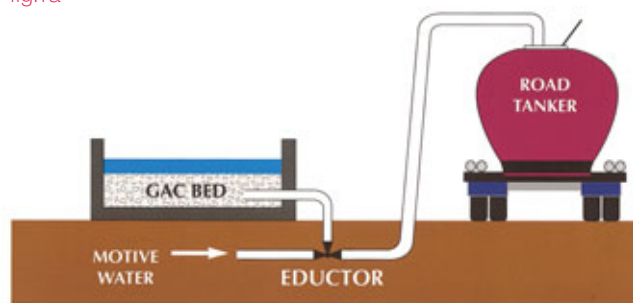


fig.2

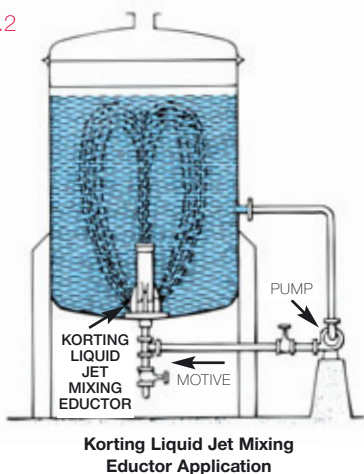
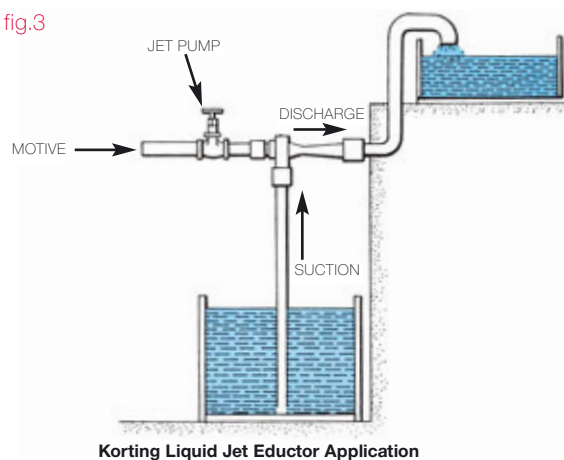


fig.3



- Pumping solids & slurries [fig.1/fig.1a](#)
- Agitating & mixing tank liquids [fig.2](#)
- Pumping Liquids [fig.3](#)
- Pumping & Diluting Concentrates
- Bilge Emptying
- Ship Deballasting
- Bund & Pit Emptying
- Blending tank Liquids
- Priming & start up evacuation
- Creating process vacuum
- Aeration & gas entrainment
- Direct steam injection heating of liquids
- Recycling & recompressing gases
- Direct contact condensing of steam / air mixtures

Product Range

Bossmatic Control Valves

- | | | |
|-------------------------|---|---------|
| ■ Sizes 15mm - 150mm | ■ Cast Iron, cast steel or stainless steel body | ■ Water |
| ■ 2 Way or 3 Way | ■ Screwed or flanged connections | ■ Oil |
| ■ On/Off or modulating | ■ Flanged PN16/25/40 or ANSI125/150/300 | ■ Gas |
| ■ Pneumatic or electric | ■ P/P or I/P Positioners | ■ Air |
| ■ Compact | ■ Rugged construction | ■ Steam |
| ■ Extended service life | ■ Bellows seal option | |
| ■ Proven reliability | ■ High turn down ratio's | |



Ancillary Products To Suit The Bossmatic Control Valve

Electro Pneumatic Positioner



Electronic Position Transmitter



Electronic Valve Positioners



Pneumatic Valve Positioners



Solenoids & Relays



Air Filter Regulators



Minimatic Control Valves

- | | | |
|-------------------------|----------------------------------|---------|
| ■ Sizes 15mm - 50mm | ■ Gunmetal or Stainless Body | ■ Water |
| ■ 2 Way or 3 Way | ■ Screwed or flanged connections | ■ Oil |
| ■ On/Off or modulating | ■ PN6 - PN40 | ■ Gas |
| ■ Pneumatic or electric | ■ P/P Positioners | ■ Air |
| ■ Compact | ■ Light but rugged construction | ■ Steam |



Angle Seat Piston Valves

- | | | |
|------------------------|---------------------------------|---------|
| ■ Sizes 15mm - 50mm | ■ Stainless Steel Construction | ■ Water |
| ■ 2 Way | ■ Screwed connections | ■ Oil |
| ■ On/Off or modulating | ■ PN16 Rating | ■ Gas |
| ■ Pneumatic Operation | ■ I/P Positioners | ■ Air |
| ■ Compact | ■ Light but rugged construction | ■ Steam |



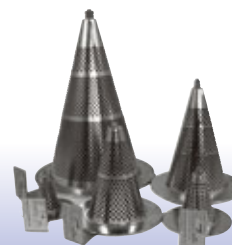
Angelery Hot Water Heater & Aerco Valves

- | | | |
|-----------------------------------|---|--------------------------------|
| ■ Packaged/non-packaged unit | ■ Copper/copper alloy wetted parts | ■ Hospitals/Hotels |
| ■ Pneumatic or electric valve | ■ Meets relevant pressure vessel codes | ■ Universities/Schools |
| ■ Self cleaning - low maintenance | ■ Feed forward temperature control | ■ Food production factories |
| ■ Highly efficient | ■ Temperature controlled at $\pm 2^{\circ}\text{C}$ | ■ Military bases |
| ■ Sub-cooled condensate | ■ Insulated vessel | ■ Abattoirs |
| ■ Compact size | ■ Pilot operated control valve | ■ Anywhere requiring hot water |



Norval Check Valves

- Sizes 1/2" - 24"
- Variety of body housings
- Unique design
- Tight shut off
- High quality materials
- 316 Stainless steel cone
- EPDM, Nitrile, Silicone or Flurocarbon
- Max 200°C operating temperature
- Operates in any orientation
- No noise due to slamming
- Water
- Oil
- Air/Gas
- CIP Version
- Chemicals



Fluid Jet/Eductors

- Bespoke Designs
- Pumping/Diluting Liquids
- Pumping/Mixing Powders
- Pumping/Mixing Oils
- Creating Vacuum
- Various materials to suit application
- De-ballasting/emptying bilges
- Transport sand/activated carbon granules
- Direct heating of water or other liquids
- Aeration of liquids/desuperheating
- Water/Oil/Chemicals
- Sand/Powder/Salt
- Air/Gas
- GAC/Granules/Fly Ash
- Steam



Actol Actuators

- Range - 13Nm to 180Nm
- IP66 Enclosure
- Two standard limit switches
- Quarter turn
- Battery back-up option
- Durable aluminium housing
- Adjustable travel stops
- Single phase, 3 phase or DC motors
- 4 - 20mA Positioner option
- To suit Ball, Butterfly and Plug valves
- Building services
- Process automation
- M&E systems
- Remote plant control
- H&V



Tilting Disc Check Valves

- Sizes 1 1/2" - 40"
- Wafer type body
- Optional spring assisted disc
- Tight shut off
- Lightweight
- Carbon, Stainless or Alloy Steel body
- PN16 - 100 & ANSI150 - 300
- Max 525°C operating temperature
- Fast reaction to reverse flow
- Minimises noise due to slamming
- Water
- Air
- Gas
- Steam
- Other liquids



Calorifiers

- Sizes 3" up to 12"
- Available in all types
- Easily replaceable parts
- Requires lower heat input
- Replacement tube bundles
- Materials to suit requirements
- Special sizes on request
- Low maintainance
- Hospitals
- Education establishments
- Government buildings
- Office/Production facilities



For more Company information visit www.northvalekorting.co.uk

Control Valves | Norval Non Return Valves | Fluid Jet Eductors



Self Acting Valves | Actol Actuators | Calorifiers | Valve Ancillaries | Industrial Water Heating

Bespoke Flow Control Products



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nk NORTHVALE KORTING LTD

Uxbridge Road | Melton Road | Leicester | LE4 7ST

T: 0116 266 5911 | F: 0116 261 0050 | E: sales@northvalekorting.co.uk

www.northvalekorting.co.uk



Leicester

Northvale Korting

Telephone

T: 0116 266 5911

F: 0116 261 0050

www.northvalekorting.co.uk

E: sales@northvalekorting.co.uk

NK Engineering Services

T: 0116 268 8130

F: 0116 261 0050

Bristol

Smart Valve Services

T: 0117 982 6714

F: 0117 982 5098

www.smartvalves.co.uk

E: svs@smartvalves.co.uk
