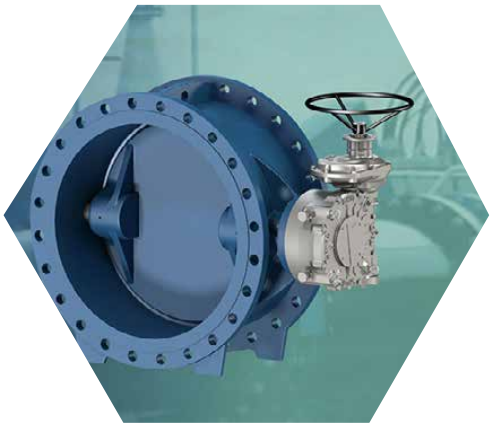
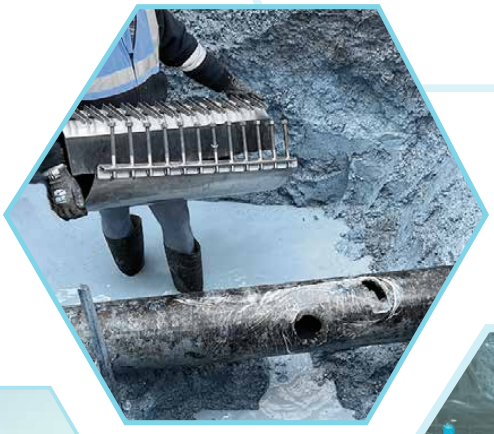
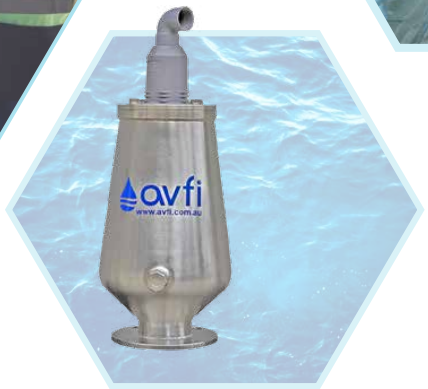


DERWENT
FLOW CONTROL

# PRODUCT CATALOGUE





## INNOVATIVE INDUSTRY SOLUTIONS

Derwent Flow Control manufactures and distributes an extensive range of products to meet the demands of today's industry. Products relate to various industry segments and applications for water, waste water, mining, irrigation, fire and other market/industry requirements.

**Note:** This is only a small selection of the products available from Derwent, please contact us directly for additional products available.

## DUCTILE IRON FITTINGS

**Ductile Iron Fittings in sizes from 80mm - 1000mm**
(Depending on item selected).

**Material:** Ductile Iron
**Coating:** Fusion Bonded Epoxy (FBE)
**Standards:** AS/NZS 2280
**Standards Mark:** SMK1989

## RESILIENT SEATED VALVES

**Resilient Seated Gate Valves**
Manufactured to AS/NZS 2638.2. The Gate Valves are light weight and applicable for water and waste water applications. ISO Mount options.

**SIZE RANGE:** ( PN 16 )

| | |
|---|---|
| **Flange/Flange** | DN 80 - 750 (Larger sizes available) (DN50 and 65 also available not to AS/NZS2638.2) |
| **Spig/Spig** | DN100 - 300 |
| **Flange/Soc** | DN100 - 150 |
| **Soc/Soc** | DN100 - 375 |
| **Gripper** | DN125 - 180 |
| **OS&Y** | DN50 - 300 (Red & Blue options available) |

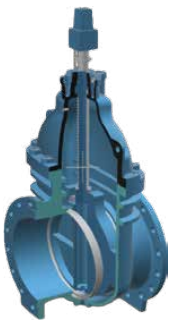
## BYPASS VALVES

**Resilient Seated Bypass Valves**
Manufactured to AS/NZS 2638.2.

**SIZE RANGE:** (Other sizes available on request).

- DN 375 with 100mm Bypass
- DN 450 with 100mm Bypass
- DN 500 with 100mm Bypass
- DN 600 with 150mm Bypass

## METAL SEATED VALVES



**Metal Seated Gate Valves**, according to AS/NZS 2638.1.

**SIZE RANGE:**

**Flanged** DN 80 - 900
DN 1000 - 2000 — BS 5163 (Drilling to AS/NZS4087)

**Standards Mark:** DN80-450

**Pressure Rating:** PN 16

## GATE VALVES

### RSGV - AS DI

**APPROVED RESILIENT SEATED GATE VALVE TO AS2638.2**
DN80 - DN600, PN16
(AS2638.2 approved)
DN50-65 & DN700-900 also available
Ductile iron, AS4020 FBE coated
Available with key cap or hand wheel
Anti & clockwise close options available
ISO mount available
Gearbox & electric actuation available

### MSGV DI

**METAL SEATED GATE VALVE ACCORDING TO AS2638.1**
DN50 - DN2000
PN16, (PN25 on request)
Ductile iron, AS4020 FBE coated
Anti & clockwise close options available
Available with key cap or hand wheel
ISO mount available
Electric and gearbox actuation available

### VTGA & VT-GAF SS

**STAINLESS STEEL GATE VALVE**
DN15 - DN50 BSP / DN25 - DN300 flanged 316 stainless steel
200PSI (BSP) / ANSI150 (flanged)
ANSI300 on request
Full Bore

## KNIFE GATE VALVES

### KGV - UDH SS

**LUGGED STAINLESS STEEL KNIFE GATE VALVE**
DN50 - DN1500
316 stainless steel (WCB on request)
AS4087 CL16 connection (others on request)
Uni-directional
FPM(Viton™) Seat (other rubber or metal seat on request)
ISO mount and Gearbox available
Pneumatic & electric actuation available

## BUTTERFLY VALVES

### D-AV-2000 SERIES DI

**DOUBLE FLANGED SEAL ON DISC BUTTERFLY VALVE**
DN150 - DN1800
PN16, (PN25 on request)
Double eccentric designed tilting disc
AS4020 approved FBE coating
Available in clockwise or anti-clockwise close
Electric and pneumatic actuation available.

### AB13F CI

**DOUBLE FLANGED SEAL ON BODY BUTTERFLY VALVE TO AS4795**
DN50 - DN2000 PN10, PN16
AS4087 CL16 connection (others on request) ISO direct mount pad,
Lever or gearbox available
Pneumatic & electric actuation available

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## BUTTERFLY VALVES

### AB10 - AB30 CI DI SS

**SEAL ON BODY BUTTERFLY VALVE**

DN50 - DN300 WaterMark Approved (AB30)
DN350 - DN2000 according to AS4795 PN10, PN16, (PN25 on request)
Wafer or lugged to suit many flange standards available
Wide selection of seal and body materials available
ISO direct mount pad
Lever or gearbox available
Pneumatic & electric actuation available

### FFEOV P FIP

**FIP GENERAL PURPOSE BUTTERFLY**

DN40 - DN300, uPVC body and disc EPDM liner (FPM(Viton™) liner available) ISO mount pad
Wafer to suit many flange standards
Lever or gearbox available
Pneumatic & electric actuation available

### FFKOA P FIP

**FIP INDUSTRIAL BUTTERFLY VALVE**

DN40 - DN400, Polypropylene body with ABS disc EPDM liner (FPM(Viton™) liner available)
ISO mount pad, stainless steel shaft
Wide selection of disc materials available
Oval lugs to suit many flange standards
Lever or gearbox available
Pneumatic & electric actuation available

## CHECK VALVES

### D-AV - 4000 Series DI

**DOUBLE FLANGED SEAL ON DISC CHECK VALVE TO AS4794**

DN150 - DN1400 PN16, (PN25 on request)
Double eccentric designed tilting disc
AS4020 approved FBE coating ductile iron Lever & weight (limit switch available)
Hydraulic dampener available on request

### RSFC DI

**RESILIENT SEATED FLEX CHECK VALVE ACCORDING TO AS4794**

DN80 - DN600 PN16
NBR (EPDM available on request)
AS4020 approved FBE coated ductile iron

### RSSC DI

**RESILIENT SEATED SWING CHECK VALVE ACCORDING TO AS4794**

DN80 – DN300, PN16
AS4020 approved FBE coating ductile iron
Lever & weight (limit switch available)

## CHECK VALVES

### ACB - 100 DI

**DUCTILE IRON BALL CHECK VALVE**

DN50 - DN300
PN16
FBE coated
Nitrile coated ball
DN50 BSP option available.

### AC10 CI

**CAST IRON WAFER DUO CHECK VALVE**

DN50 - DN600
PN16
FBE coated, EPDM seat
316 stainless steel discs

### AC31 CI

**CAST IRON WAFER SINGLE FLAP CHECK VALVE**

DN50 - DN600
PN16
FBE coated
316 stainless steel disc

### V3WC SS

**3 PIECE CHECK VALVE**

DN8 - DN80 BSP
316 stainless steel
Spring loaded, 600PSI

### VTC & VT-WCF SS

**SWING CHECK VALVES**

DN8 - DN80 BSP, 200PSI
DN25 - DN350, ANSI150 & ANSI300
316 stainless steel

### VTWC SS

**WAFER SPRING CHECK VALVE**

DN15 - DN100
316 stainless steel
Rated to 40 bar

### V - MP05 SS

**WAFER DUO CHECK VALVE**

DN50 - DN600
316 stainless steel
Wafer to suit ANSI150, Table D/E
Metal seat (or soft seat optional)

### FSX P FIP

**FIP BALL CHECK VALVE**

DN15 - DN50
PVC or ABS available
Viton and EPDM available

### FVR P FIP

**FIP PVC ANGLE CHECK VALVE**

DN10 - DN100
BSP or solvent weld available
Wide selection of body materials available

### FCROV P FIP

**FIP PVC WAFER SWING CHECK**

DN40 to DN300
PN10
EPDM or Viton seals

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## BALL VALVES

### V1 SS

**1 PIECE BALL VALVE**
DN8 - DN50 BSP
316 stainless steel, 1000 PSI
Reduced bore, Lockable lever
PTFE seats

### V2 & V3 SS

**2 PIECE / 3 PIECE BALL VALVE**
DN8 - DN80 / DN8 - DN100 BSP
316 stainless steel, 1000 PSI
Full bore, Lockable lever
PTFE seats

### V3MH SS

**3 PIECE BALL VALVE WITH ISO MOUNT -** PTFE seats
DN8 - DN100 BSP
316 stainless steel, 1000 PSI
Full bore, Lockable lever

### 3WAY - PPMH SS

**3 WAY BALL VALVE -** PTFE seats
DN15 - DN50 BSP (DN65 - DN80 on request)
316 stainless steel, 800PSI
Reduced bore, L or T port available
ISO direct mount pad

### V2FH SS

**2 PIECE FLANGED BALL VALVE**
DN15 - DN300
316 stainless steel
ANSI150 & ANSI300 available on request
Fire safe design
Fire safe approved options available
Full bore, ISO mount pad

### 3WAY SS

**3 WAY FLANGED BALL VALVE**
DN50 - DN200
316 stainless steel
ANSI 150
L or T port options available

### FVEE P FIP

**FIP 2 WAY FULL BORE UPVC BALL VALVE**
DN10 - DN100, PN16
Double union ends
EPDM and Viton available
BSP and solvent weld options

### FVKD P FIP

**FIP UPVC TESTED CHEMICAL 2 WAY BALL VALVE**
DN15 - DN100, PN16
Wide selection of body materials available
BSP or solvent weld
EPDM and Viton available
ISO mount pad option

### FTKD P FIP

**FIP UPVC TESTED CHEMICAL 3 WAY BALL VALVE**
DN15 - DN50, PN16
Wide selection of body materials available
BSP or solvent weld
EPDM and Viton available

## PILOT CHECK VALVES

### AVFI SERIES 600, 700 & 800

**PILOT CONTROL VALVE**
DN20 - DN600
Available in numerous set ups including pressure reducing, solenoid control, float control, pressure sustaining, quick relief plus many more. See examples below of body configurations. Ask about our applications.

**INDUSTRY APPLICATIONS**
Building servies, fire systems, water supply, irrigation, etc.

### 600 SERIES THREADED CI

DN20 - DN80
PN16
BSP

### 100 SERIES BRONZE BR

DN20 - DN80
PN16
BSP

### 600 SERIES FLANGED CI DI

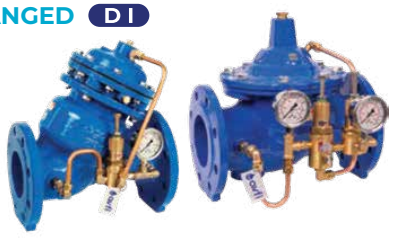
DN50 - DN300
PN16, PN25
Flanged

### 600 SERIES ROLL GROOVED CI

DN50 - DN100
PN16
Roll Groove

### 700, 800 SERIES FLANGED DI

DN50 - DN400
PN16, PN25, PN40
Flanged



## GLOBE / NEEDLE VALVES

### VTGL / VTNE SS

**GLOBE / NEEDLE VALVE**
DN15 - DN50 BSP / DN8 - DN25 BSP
316 stainless steel
200 PSI (globe)
6000 PSI (needle)

## FIP DIAPHRAGM VALVES

### FVMYV P FIP

**FIP PVC DIAPHRAGM VALVE**
DN10 - DN100
Wide selection of body materials available
Wide selection of seat materials available.

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## AIR VALVES

### ARV-1 & ARV-2 P
**AVFI BSP PLASTIC AIR RELEASE VALVE**
DN25 - DN50, PN16
Automatic, kinetic and combination versions available

### DAV-MP CI
**AVFI AUTOMATIC AIR RELEASE VALVE**
DN25 BSP, PN25
Cast Iron Body
SRV - SS

### DAV-MS / MH SERIES DI
**AVFI DUCTILE IRON ARV**
DN50 - DN300 drilled to AS 4087 CL16
PN16, PN25 & PN40 available
Reduced and full bore available
Surge arrestor option available

### ARV - 3N SS
**316 STAINLESS STEEL SEWER AIR RELEASE VALVE**
DN50 - DN150 flanged, PN16
DN50 BSP, PN16
Table D, E and ANSI flanges available

### ARV - 4N SS
**AIR RELEASE VALVE FOR WASTEWATER SYSTEMS**
DN25 BSP, PN10, PN16
15, 20, 40 & 50 mm connections available
316 stainless steel body

### AFC
**WATER & SEWER AIR RELEASE VALVES**
**WATER:** DN50 - DN300
**SEWER:** DN50 - DN200
Both Combination and Anti Shock available

## RELIEF & PRESSURE REDUCING VALVES avfi

### SRV BR
**BRONZE SAFETY RELIEF VALVE**
DN15 - DN80 BSP connection
PTFE seat with stainless steel spring
1 - 12 bar setting range
10 - 20 bar and 20 - 30 bar option available

### SRV - SS SS
**316 STAINLESS STEEL SAFETY RELIEF VALVE**
DN15 - DN50 BSP connection
Metal seat 1 - 12 bar setting range
High pressure and PTFE seat options available
10 - 20 bar and 20 - 30 bar option available

### SRV - L BR
**BRONZE SAFETY RELIEF VALVE WITH MANUAL LEVER**
DN15 - DN80 BSP connection
PTFE seat with stainless steel spring
1 - 12 bar setting range
10 - 20 bar option available

### DRV BA
**BRASS PRESSURE REDUCING VALVE**
DN15 - DN50 BSP connection
Maximum inlet pressure is 2500 KPA
Outlet range is 100 - 600 KPA

## SPRING HYDRANTS - STANDARD & SWAB

**Spring Hydrants** manufactured to AS 3952-2002. Available for both water and re-use water applications. SWAB Spring Hydrants are used where swabbing of the line is required.

**Size Range:** DN 80 and DN100. (Slotted version available)
**StandardsMark License:** SMK40418.

### NZ Hydrants
**Tall and Squat Hydrants** are manufactured to NZS 4522:2010. The Underground Fire Hydrants in both Tall and Squat.
StandardsMark License: SMK41119.

### NT & SA Hydrants
Hydrants are manufactured specifically for NT & SA providing an isolation point for fire protection.

### Hydrant and Air Isolation Valve
The screw down hydrant for fire applications is available in both ACC and CC configuration, providing an Table D outlet flange, rated to PN16. The base of the Hydrant is slotted to allow for both DN 80 and DN 100.

## NON SLAM CHECK VALVES

Non Slam Check Valves are used as protection against reverse flow , with faster disc return water hammer is reduced. The NSCV provides not only quieter performance but also reduced head loss.

**Size Range:** DN 50 - 1200
**Pressure Rating:** 1.0Mpa; 1.6Mpa; 2.5Mpa.
**Working Temperature:** -10°C - 80°C

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## VIBRATION ELIMINATORS

### ASF10 RB

**RUBBER VIBRATION ELIMINATOR**

DN8 - DN50 BSP
DN25 - DN750
PN16
Flanged to suit many flange standards

## DISMANTLING JOINTS

### AFD10 & AFD20 DI

DN50 - DN2000
PN16, PN25
Ductile iron,
SS316 Tie Rods, Nuts and Washers

## STRAINERS (Y TYPE)

### AS105F CI

**CAST IRON Y STRAINER**

DN50 - DN300
AS2129 & AS4087 flanged options
FBE coated
Stainless steel screen & fasteners

### VTY SS

**Y STRAINER**

DN8 - DN80 BSP
316 stainless steel
Drain plug
800 PSI

### VT - YF SS

**FLANGED Y STRAINER**

DN50 - DN300
ANSI150 & ANSI300
316 stainless steel
Drain plug

### FRV P FIP

**FIP PVC CLEAR Y STRAINER**

DN10 - DN100
BSP and solvent weld available
Wide selection of body materials available

## WATER METERS

### OMEGA CI

**FLANGED WATER METER**

DN50 - DN300
PN16
AS2129 Table E flanged (Option: Table D)
FBE coated
Comes with REED switch
Available in cold or hot configurations

### BETA CI

**BSP WATER METER**

DN15 - DN50 BSP
PN16
Comes with REED switch
Available in cold or hot configurations

## SOLENOID VALVES

### ASLP BR SS

**PILOT OPERATED SOLENOID VALVE**

DN8 - DN50
BSP threaded end connection
Various coil voltages available

### AP-510 AL

**NAMUR STYLE SOLENOID VALVE**

1/4 BSP Air port
Aluminium
Various coil voltages available
Black Din Plug

## VALUE-ADDED SERVIES

**ACTUATED VALVE ASSEMBLY**

All our actuators and accessories are professionally fitted and tested to ensure the highest quality and reliability standards are achieved.

These include:

| TYPE | MODEL |
|---|---|
| PNEUMATIC | AP Series, DA and SR |
| ELECTRIC | Flowinn & EOM Series |
| SOLENOID | VALVES AP Series |
| POSITIONERS | AP1000 - 2000 Series |
| LIMIT SWITCH | APS and APIS 200 - 600 |

## EXTENSIONS & ACCESSORIES

Extensions for Gate, Butterfly, Knife Gate valves available including non - rising spindle conversions for Knife Gate valves. We can fabricate extensions to any length to suit your requirements and our on- site engineers are available to assist you.

### LEGEND

- CI Cast Iron
- DI Ductile Iron
- BR Bronze
- BA Brass
- P Plastic
- RB Rubber
- SS Stainless Steel
- AL Aluminium

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## 316 - STAINLESS STEEL CLAMPS, TAPPED AND OFFTAKES

Derwent Industries (Kawandah) 316 Stainless Steel Repair, Tapped and Offtake Clamps are Australian manufactured and are used throughout various industries as a fast, simple and economical permanent solution for pipe repair. Derwent (Kawandah) Clamps are manufactured to AS/NZS4181.
Note: Clamps may not be suitable for all pipe types and should not be used for axial restraint or for joining pipes together in new works.

**Quality Assurance** ISO9001:2015
**StandardsMark:** SMK26386 (Refer Schedule)
**Certificate Number:** QEC2004
**WSAA Appraisal No.** PA1833 (Refer Schedule)
**Temperature Range:** - 10°C to 60°C
**Max. Operating Pressure:** 1600 kPa (Only to OD 690mm)

## REPAIR CLAMPS

The Derwent Industries 316 Stainless Steel Repair Clamps are ideal as a fast, simple and economical permanent solution for pipe repair for most pipe types.

**Size Range:** DN40 – DN 1200
(Larger sizes are available as specials)

## TAPPED CLAMPS

The Derwent Industries 316 Stainless Steel Repair Tapped Clamps are ideal as a fast, simple and economical permanent solution for pipe tapping for most pipe types.

**Size Range:** DN40 – DN 1200
(Larger size are available as specials)
**BSP Offtake:** DN 20 - 50
(Depending on Clamp Size)
(Larger sizes are available on request)

## SEWER OB

Sewer OB's are ideal for new service connections on existing or new sewer mains. The Sewer OB's can also be used for repair and reconnecting a damaged branch. Sizes are available for new and older styles of sewer mains. (Offtake size is dependent on host pipe).

**Size Range:** DN100-450
**Offtake Sizes:** DN 100 / 150 / 225
**Temperature Range:**
-10°C to 60°C
**Max.Op Pressure:** 100 kPa
**Quality Assurance:** ISO9001:2015
**Certificate Number:** QEC2004
**WSAA Certification:** PA 1917

## FLANGED OFFTAKE CLAMPS

The Derwent Industries 316 Stainless Steel Repair Flanged Offtakes are ideal as a fast, simple and economical permanent solution for pipe tapping for most pipe types.

A range of OD sizes and Flange sizes are available.

**Size Range:** DN100 – 750
(Larger sizes are available as specials)
**Flange Offtake:** DN80/100/150
(Larger sizes available on request)

## COUPLINGS

Derwent Industries Variable Couplings have been designed to alleviate the issues encountered when connecting pipes of different outside diameters and/ or pipe materials. The coupling provides the installer with a precise simple way of connecting pipes that have OD variances

## ACCESSORIES

Derwent Industries has a wide range of accessories available for the Water, Waste Water and Irrigation market, some of which are shown below.

- Base Plates
- Brass Ware
- Extension Spindles
- Valve Anchor Legs and Straps
- Gun Metal Tapping Bands
- Insertion / Gasket Sets
- Gaskets
- Recycled and Cast Covers
- Rubbers Rings
- Ask us about other items

## PE PUDDLE FLANGE

The Derwent Industries PE Puddle Flanges are used as a restraint point on PE pipelines and can be affixed at desired points or at a change of direction.

**Size Range:** DN125 and 180

## DUCTILE IRON FLANGED OFFTAKES

The Derwent Industries Ductile Iron Flanged Offtakes are ideal as a fast, simple and economical permanent solution for pipe tapping for most pipe types.

A range of OD sizes and Flange sizes are available.

**Size Range:** : DN122 & 177 (S1 & S2 Pipe)
DN125 & 180 (PE Pipe)
**Flange Offtake:** DN80/100/150 (T/D only)

## FIRE & INDUSTRY RELATED PRODUCTS

A large range of fire & Industry related products are available from Derwent Flow Control, and include:

- Roll Grooved Systems & AS1074 Pipe
- Butt Weld Fittings
- Steel & Galvanised Fittings
- Flanges
- Hose Reels, Cabinets
- Hydrants, Valves

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## Derwent - Flow Control

ACN 096 997 152  ABN 48 096 997 152

**Email:** sales@derwentindustries.com.au
sales@avfi.com.au

**Web:** www.derwentindustries.com.au

**Brisbane:**
Unit 2F
405 Newman Road
Geebung QLD 4034
Ph: 1300 789 256

**Melbourne Distribution**
19 Antonella Court,
Dandenong South, VIC  3175
Ph: +61 3 9793 9054

**Melbourne - AVFI:**
54 Enterprise Drive
Bundoora, VIC 3083
Ph: 1300 789 256

**Sydney:**
2 Ross Place
Wetherill Park, NSW 2164
Ph: 61 - 2 - 9136 0466

**Tasmania:**
102 - 104 Sunderland St
Derwent Park, TAS 7009
Ph: 61 - 3 - 6273 0729

**Wodonga:**
36 Moloney Drive
Wodonga, VIC 3690
Ph: 61 - 2 - 6014 0100

**Auckland:**
Derwent Industries NZ Ltd
36 Rangi Road
Takanini, Auckland 2245
Ph: 64 - 9 - 218 4959