

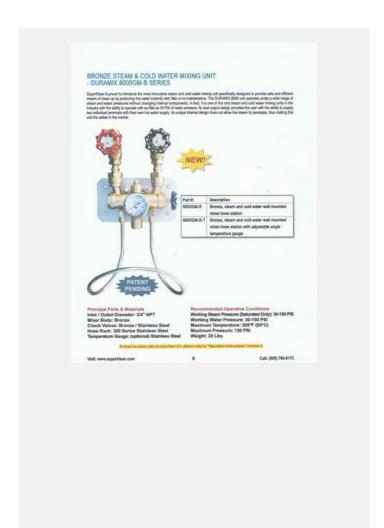
# Pump Valve Engineering Sdn. Bhd.



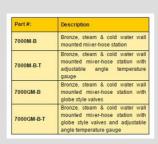
# **Standard Spray Nozzles - 150 Series**

Price MYR 2,000.00

# M8000







# **Bronze Steam & Cold Water Mixing Unit**

#### Description

#### Duramix 7000 Series

#### Principal Parts 7 Materials

Inlet / Outlet Diameter: 3/4" NPT

Mixer Body : Bronze

Internal Check Valve : Bronze

Hose Rack : Brass ans Stainless Steel

Temperature Gauge : (optional) Stainless Steel

#### Recommended Operative Conditions

Working Steam Pressure: 80 - 150 PSI

(Saturated Only)

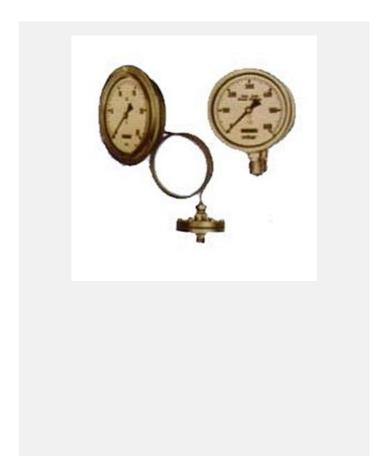
Working Water Pressure : 50 - 80 PSI Maximum Temperature : 200°F (93°C)

Maximum Pressure: 150 PSI

Weight: 20 Lbs.

SuperKlean's DURAMIX 7000 steam & cold water mixing unit was specifically designed to provice safe and efficient means of cleanup by producing hot water instantly with little or no maintenance. The DURAMIX 7000 unit operates under a wide range of steam/water pressures without changing internal components. The combined effective surface area of it dual piston automatic steam poppet controller is at least six times greater than that of most of our competitors'. Under the same water pressure, the DURAMIX 7000 unit greatly reduces the risk of poppet hang up due to water build up. SuperKlean's inlet center lines have the same dimensions as most of our competitors' units. Our units come with a mounting plate for easy behind the unit cleanup, hose rack for easy user access to the hose, and an optional temperature gauge for accurate temperature readings at outlet.

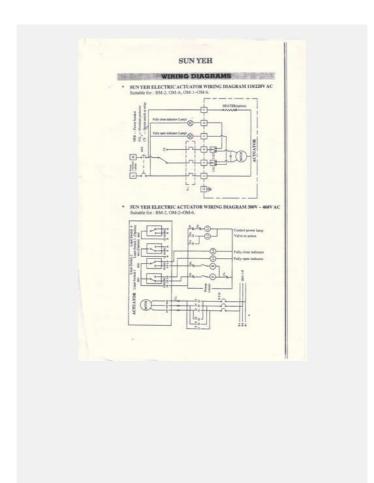
# **Pressure Gauges**





# **Thermometers**

# **Wiring Diagram**





## **SUN YEH Electrical Actuators**

## Description

#### Torque ranges :

300 to 30,000 in-lbs

#### Available Voltages :

1-phase 24/120V/220V-12 & 24 VDC 3-phase 220V, 380V and 440V

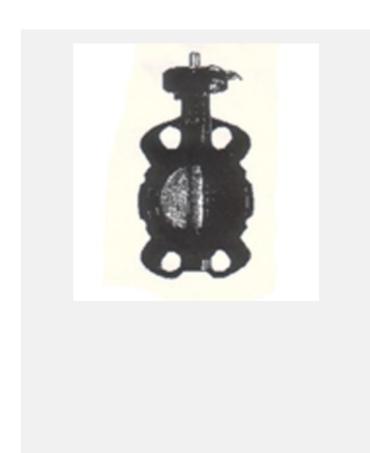
#### Features:

NEMA 4,  $4x\ /\ IP$  67 Construction - Die casting aluminium housing and cover

CSA and CE approved - Self-locking gear train, no brake required Standard manual override with handwheel

- Non-clutch design, manual override can be operated without lever, clutch, or brake upon power outage.
- When actuator is operating, handwheel can't rotate for safety. Visual position indicator

ISO 5211 mounting patterns





# **Performance Data**

# **Limit Switch**





# **HK Contromatic**

# **Actuator Dimension**





# **Butterfly Valve 4 (High Performance)**

#### Description

#### Specifications

• 2" - 24" (DN 50 - DN 600)

• Maximum Working Pressure: 16 bar

• ANSI 150.300, PN 10-16, JIS 10K / ANSI 300

Face to Face: EN558 - ISO 5752 - BS 5155 - API 609

• ISO 5211 Mounting Pad

• Flange connections according to ANSI Class 150, 300, PN 10-16, JIS 10K

Body Material: Ductile Iron, Cast Iron, Cast Steel, Stainless Steel

Disc Material: Ductile Iron, Stainless Steel Seat Material : EPDM -20°C to +120°C NBR -10°C to +90°C

#### **Operation Options**

- Lever Operator
- Gear Operator
- Pneumatic Actuator
- Electric Actuator

# **Butterfly Valve 3**

## Description

# Specifications

• 2" - 24" (DN 50 - DN 600)

• Maximum Working Pressure: 16 bar

• ANSI 150.300, PN 10-16, JIS 10K / ANSI 300

• Face to Face : EN558 - ISO 5752 - BS 5155 - API 609

• ISO 5211 Mounting Pad

• Flange connections according to ANSI Class 150, 300, PN 10-16, JIS 10K

Body Material: Ductile Iron, Cast Iron, Cast Steel, Stainless Steel

Disc Material: Ductile Iron, Stainless Steel Seat Material : EPDM -20°C to +120°C NBR -10°C to +90°C

## **Operation Options**

- Lever Operator
- Gear Operator
- Pneumatic Actuator
- Electric Actuator





# **Butterfly Valve 2**

#### Description

#### Specifications

- 2" 24" (DN 50 DN 600)
- Maximum Working Pressure: 16 bar
- ANSI 150.300, PN 10-16, JIS 10K / ANSI 300
- Face to Face : EN558 ISO 5752 BS 5155 API 609
- ISO 5211 Mounting Pad
- Flange connections according to ANSI Class 150, 300, PN 10-16, JIS 10K Body Material: Ductile Iron, Cast Iron, Cast Steel, Stainless Steel

Disc Material : Ductile Iron, Stainless Steel Seat Material : EPDM -20°C to +120°C NBR -10°C to +90°C

#### **Operation Options**

- Lever Operator
- Gear Operator
- Pneumatic Actuator
- Electric Actuator

# **Butterfly Valve 1**

## Description

# Specifications

- 2" 24" (DN 50 DN 600)
- Maximum Working Pressure : 16 bar
- ANSI 150.300, PN 10-16, JIS 10K / ANSI 300
  - Face to Face : EN558 ISO 5752 BS 5155 API 609
- ISO 5211 Mounting Pad
- $\bullet~$  Flange connections according to ANSI Class 150, 300, PN 10-16, JIS 10K

Body Material : Ductile Iron, Cast Iron, Cast Steel, Stainless Steel

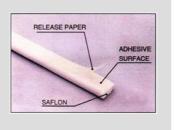
Disc Material : Ductile Iron, Stainless Steel Seat Material : EPDM -20°C to +120°C NBR -10°C to +90°C

## Operation Options

- Lever Operator
- Gear Operator
- Pneumatic Actuator
- Electric Actuator







# Saflon Joint SealaInt Self Adhering Gasketing

#### Description

SAFLON JOINT SEALANT is a new marshmallow like product made of 100% PTFE (tetrafluoroethylene), which is developed by highly specific treatment the PTFE Fluorocarbon material.

SAFLON JOINT SEALANT has higtensile strength and flexible and tough properties, it has no drawback as seen in existing gaskets. Playing a sealing role firmly, easily and economically even under extremely severe corrosive conditions, SAFLON JOINT SEALANT is an powerful gasket packing, oval in cross section and string shape, with superior chemical and heat resistance.

#### SAFLON FEATURES ARE:

#### 1. Saves Time

- · Easier to install
- Self-adhering
- Flanges part easily
- · No scraping for removal
- Fills severe flange irregularities
- Highly compressible
- · Only light flange bolting required

## 2. Long Services

- No waste
- · No time spent cutting gaskets
- · Less downtime
- Minimum inventory space
- · Minimum inventory required
- No labor in retorquing
- Longer lasting
- Unlimited shelf life

#### **APPLICATIONS**

- Flanges
- Fume Ducts
- Concrete Joints
- Heat Exchangers
- Fibreglass Reinforced Plastic Vessels
- Pump or Compressor Housing Flanges
- Steam Vessel Flanges
- Manhole Covers
- Ceramic Joint
- Hydraulic and Pneumatic Systems
- Water Systems
- Ventilation Duct and Fan Housing
  - In short, practically all industril applications requiring a long life, trouble free seal.

#### INSTALLATION

SAFLON JOINT SEALANT is a soft, flexible PTFE having an adhesive back for ease of intsallation on vertical surfaces.

Clean flange, removing scale and other foreign materials.

Strip off the Release paper, push the adhesion surface at the center of flange surface, and stick on there in a ring shape.

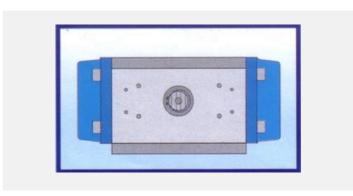
Edge of it is overlapped 1 to 2 cm at the bolt seat.

Fix the flange to the oppenent and tighten each bolts uniformly, then it is flattened ribbon-like to 1.5 times width and the over lapped is closely in contact

# **Technical Feature of Provaire Pneumatic Actuator**

#### Description

Technical Feature of Provaire Pneumatic Actuator





## **Mars Solenoid Valves**

#### Description

- NAMUR Interface
   High Switch Reliability
- No Matter the orientation, valve can be mounted in any postition
- Valve body: Aluminium anodized
  Operating temperature C: 0 50°C
  Operating pressure: 22-118 PSI
  Pressure resistance: 150 PSI
  Coil enclosures: NEMA 4, 4X, 7
- Coil enclosures : NEMA 4, 4Coil voltage : DC-12, 24

AC-110/50, 220/60 (+/-) 10% of Normal

All coils are CE approved

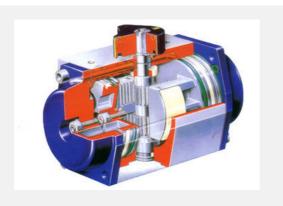
## **Limit Switch Box**

#### Description

- IP 67 Waterproof and Explosion proof Exd II C T6
- Mechanical Switch
- Die casting Housing
  - "Quick-Set" Cam
  - Limit switch adjustment cams are splined and spring loaded, the switch cam position can be quickly adjusted without tools (close-up, open down)
- Easy mounting bracket
  - Any actuator for rotary can be easily mounted in ISO 5211

Voltage: Max 250V AC or DC Current: 0.6A 125V DC or 16A 1/2HP





# **Features and Design Benefits**

# **Construction Material And Spare Parts**

Description

Specification:

Construction Material And Spare Parts





## **AirMars Pneumatic Actuator**

#### Description

- Double-acting or Spring return
- 125 to 11,000 in-lbs
- ISO / NAMUR Connections
- Aluminium alloy body
- Epoxy coated end caps
- Easy external bi-directional travel stop adjustment
- Extended cycle life guaranteed

# Gate / Globe Valves Forged Carbon Steel & Stainless Steel 3

Description

Pressure Seal Y-Pattern Globe

• Size Range : 3/8" - 2"

• Pressure Rating: 800 Lb - 2500 Lb

- Body Materials : Carbon Steel, Stainless Steel, Alloy Steel, Duplex
- End Connections : Threaded, Socket Weld, Butt Weld, Flanged
- Design Standard : API 602, ANSI B16.34, ANSI B16.11, DIN 3202, BS 5352, MSS SP-25
- Test Standard : API 598, BS6755
- Operation : Hand Wheel





# **Gate / Globe Valves Forged Carbon Steel & Stainless Steel 2**

#### Description

## Welded Bonnet 2

- Size Range : 3/8" 2"
- Pressure Rating: 800 Lb 2500 Lb
- Body Materials: Carbon Steel, Stainless Steel, Alloy Steel, Duplex
   End Connections: Threaded, Socket Weld, Butt Weld, Flanged
- Design Standard: API 602, ANSI B16.34, ANSI B16.11, DIN 3202, BS 5352, MSS SP-25
- Test Standard : API 598, BS6755
- Operation : Hand Wheel

# Gate / Globe Valves Forged Carbon Steel & Stainless Steel 1

#### Description

## Welded Bonnet 1

• Size Range: 3/8" - 2"

• Pressure Rating: 800 Lb - 2500 Lb

• Body Materials : Carbon Steel, Stainless Steel, Alloy Steel, Duplex

• End Connections : Threaded, Socket Weld, Butt Weld, Flanged

• Design Standard : API 602, ANSI B16.34, ANSI B16.11, DIN 3202, BS

5352, MSS SP-25

Test Standard: API 598, BS6755

Operation : Hand Wheel





# All Stainless Steel Knife Gate Valves 2

#### Description

#### Flanged, Resilient Seat

- Size 2" 36"
- 150 psi (10.3 bar) max. working pressure
- Outside screw and yoke, rising stem
- Meets TAPPI standard TIS405-8 and MSS SP
- 81 for flanged, wafer knife gate valve
- Positive shutoff resilient seat
- · Bi-directional shutoff
- Available with lever, chain, gear, electric, pnuematic or hydraulic actuation

## All Stainless Steel Knife Gate Valves 1

#### Description

## Wafer Type, Resilient Seat

- Size 2" 36"
- 150 psi (10.3 bar) max. working pressure
- Outside screw and yoke, rising stem
- Meets TAPPI standard TIS405-8 and MSS SP
- 81 for flanged, wafer knife gate valve
- Positive shutoff resilient seat
- Bi-directional shutoff
- Available with lever, chain, gear, electric, pnuematic or hydraulic actuation





# **Safety Relief Valve**

## **Check Valves 3**

Description

NRC - 1 (Non-Return Wafer)

- Size : 2" 8"
- Body: S25C, SUS 304, SUS 316
- Disc : CF8, CF8M
- Clapper Seal : NBR, FPM, PTFE
- Body Seal : NBR, FPM, METAL ANSI 150#,
- PN10/16, JIS 10K





# **Check Valves 2**

#### Description

## DWC - 1 (Dual Plate Wafer)

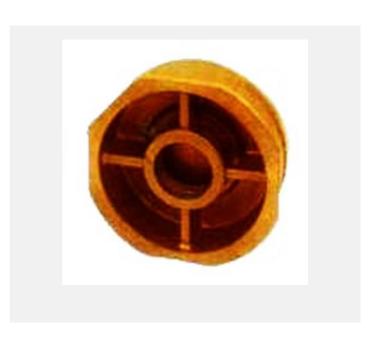
- Size : 2" 24"
- Body : Stainless Steel, Carbon Steel, Cast Iron
- Plate : Stainless Steel, Bronze
- Seat : NBR, CR, VITON, Metal, Stellite
- Installation Dimension : ANSI, PN10-10, JIS 10K

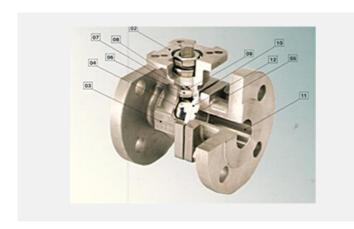
## **Check Valves 1**

## Description

## WC-100

- Wafer Check Valve
- 1/2" to 4"
- CF8M
- ANSI Class 150 / 300 Lb
- PN 10 40





# **Series 90D Design Features**

**MARS Series 78** 





# **MARS Series 77SN**

## Description

- Direct Mounting Design
- 1/2" 4
- True Tube Full Port
- Body, Ends: 316L S/S
- Ball, Stem : 316L S/S
- Seats : PTFE
- Rating: 1000 PSI max.

**MARS Direct Mount Ball Valves - Series 99** 





**MARS Direct Mount Ball Valves - Series 94D** 

**MARS Direct Mount Ball Valves - Series 91D** 







MARS Direct Mount Ball Valves - Series 88SN



**MARS Direct Mount Ball Valves - Series 88** 

MARS Direct Mount Ball Valves - Series 77L





**MARS Direct Mount Ball Valves - Series 77** 

MARS Direct Mount Ball Valves - Series 39SN







**MARS Direct Mount Ball Valves - Series 36** 





MARS Direct Mount Ball Valves - Series 33SN

**MARS Direct Mount Ball Valves - Series 33** 





# **MARS Direct Mount Ball Valves - Series 22**

# MARS - Series 99

## Description

## High Performance Flenged Ball Valves

Size Range : 1/2" through 6"

Body Construction : 2-Piece Split / Uni-Body Design

Port : Full Port

Actuator Mounting Pad: ISO 5211 / DIN 3337

Body Material : CF8M Seat Material : R-PTFE / PTFE

Pressure Rating : ANSI 150# & 300#, PN 10-40, JIS 10K Optional : Fire Safe Certified to API 607 4th Edition





## MARS - Series 90D

#### Description

## High Performance Flenged Ball Valves

Size Range: 1/2" through 6"

Body Construction : 2-Piece Split / Uni-Body Design

Port : Full Port

Actuator Mounting Pad : ISO 5211 / DIN 3337

Body Material : CF8M

Seat Material : R-PTFE / PTFE

Pressure Rating : ANSI 150# & 300#, PN 10-40, JIS 10K Optional : Fire Safe Certified to API 607 4th Edition

## MARS - Series 90





# MARS - Series 90

## Description

## High Performance Flenged Ball Valves

Size Range : 1/2" through 6"

Body Construction : 2-Piece Split / Uni-Body Design

Port : Full Port

Actuator Mounting Pad: ISO 5211 / DIN 3337

Body Material : CF8M Seat Material : R-PTFE / PTFE

Pressure Rating : ANSI 150# & 300#, PN 10-40, JIS 10K Optional : Fire Safe Certified to API 607 4th Edition

## MARS - Series 88J

## Description

- Direct mount Design
- 1/4" 1 1/2" 3000 PSI max.
- Ends : TH, SW, BW FL





## MARS - Series 88D

#### Description

#### Direct Mount-3-Way

Size Range: 1/2" through 12"
Port: Full Port or Reduced Port
Ball Configuration: L-Port, T-Port
Seat Material: 3 Seats Design

Ball Construction : Floating / Trunnion Ball
Actuator Mounting Pad : ISO 5211 / DIN 3337
Stem Design : Live Loading & Galnd Stem Packing

Body Material : CF8M / WCB Seat Material : PTFE

Pressure Rating: 1000 PSI max. / ANSI 150# & 300#, PN 10-40

End Connections : NPT, BSP, BSPT, SW, BW, FL





## MARS - Series 88

#### Description

#### High Performance Three - Piece Ball Valves

Size Range : 1/4" through 4" Port : Full Port and Reduced Port

Actuator Mounting Pad : ISO 5211 / DIN 3337 Body Material : CF8M - DIN 1.4408 / CF8M

Seat Material: R-PTFE / PTFE / 25% Carbon + PTFE Seat

Pressure Rating: 1000 - 2000 PSI max. End Connections: BSP, SW, BW, XOW, FL Optional: Fire Safe Certified to API 607 4th Edition

Face to Face DIN 3202 M3

## MARS - Series 77

#### Description

## High Performance Three - Piece Ball Valves

Size Range : 1/4" through 4" Port : Full Port and Reduced Port

Actuator Mounting Pad : ISO 5211 / DIN 3337 Body Material : CF8M - DIN 1.4408 / CF8M

Seat Material : R-PTFE / PTFE / 25% Carbon + PTFE Seat

Pressure Rating: 1000 - 2000 PSI max.
End Connections: BSP, SW, BW, XOW, FL
Optional: Fire Safe Certified to API 607 4th Edition

Face to Face DIN 3202 M3





## MARS - Series 50

#### Description

#### High Performance Three - Piece Ball Valves

Size Range : 1/4" through 4" Port : Full Port and Reduced Port

Actuator Mounting Pad : ISO 5211 / DIN 3337 Body Material : CF8M - DIN 1.4408 / CF8M

Seat Material: R-PTFE / PTFE / 25% Carbon + PTFE Seat

Pressure Rating: 1000 - 2000 PSI max. End Connections: BSP, SW, BW, XOW, FL Optional: Fire Safe Certified to API 607 4th Edition

Face to Face DIN 3202 M3

## MARS - Series 39

#### Description

#### Direct Mount-3-Way

Size Range: 1/2" through 12"
Port: Full Port or Reduced Port
Ball Configuration: L-Port, T-Port
Seat Material: 3 Seats Design

Ball Construction: Floating / Trunnion Ball
 Actuator Mounting Pad: ISO 5211 / DIN 3337
 Stem Design: Live Loading & Galnd Stem Packing

Body Material : CF8M / WCBSeat Material : PTFE

• Pressure Rating: 1000 PSI max. / ANSI 150# & 300#, PN 10-40

• End Connections : NPT, BSP, BSPT, SW, BW, FL





MARS - Series 36

## MARS - Series 30

Description

**Direct Mount-3-Way** 

Size Range: 1/2" through 12"
Port: Full Port or Reduced Port
Ball Configuration: L-Port, T-Port
Seat Material: 3 Seats Design

Ball Construction: Floating / Trunnion Ball
 Actuator Mounting Pad: ISO 5211 / DIN 3337
 Stem Design: Live Loading & Galnd Stem Packing

Body Material : CF8M / WCB

• Seat Material : PTFE

• Pressure Rating : 1000 PSI max. / ANSI 150# & 300#, PN 10-40

• End Connections : NPT, BSP, BSPT, SW, BW, FL





# **Cryogenic Ball Valves 3**

Description

#### SERIES 83C

1/2" - 2" Full & Reduced Port 1500 PSI max.

# **Cryogenic Ball Valves 2**

## Description

Easy Automation with Mars Patented Direct Mount Design





# **Cryogenic Ball Valves 1**

Description

#### SERIES 90C

1/2" - 4" Full Port ANSI CL 150, 300, PN 10-40

# Spring Return Safety (SRS) Handle

#### Description

The SRS handle is a spring energized handle, the ball valve will return to predetermined closed (or open) position when a operator disengages from handle, provides safe and positive fail closed or open operation, creating a reliable sampling, filling, dispensing, and relief valves. Full stainless steel construction provides excellent corrosion resistance for extended servicce life.





# **Soleniod Valves**

# Sight Glass & Light Fittings





# **Sight Flow Indicators**

Description

Threaded / Flanged Ends

# **Hot Melt Welding Adhesive**

## Description

#### Feature:

Working pressure : MWP 30 kgf/cm2 (425 psi) Heat resistance 180 °C,Cold resistance -60 °C Application

Multi-purpose of repairing in various materials such as: rigid pvc pipes, stainless steel, bronzem brass, casting iron, aluminium, galvanized pipe & socket, elbow, pressing fitting, cooling/heating/steam coil, A/C condenser, A/C pips, evaporator, radiotor, power steering pipe, transmission case and different hard materials welding adhesion each others.





## **Others EATON 2**

#### Description

- ABS Pipes & Fittings
- Stainless Steel Pipes & Fittings
- Carbon Steel Pipes & Fittings
- Galvanize Iron Pipes & Fittings
- Copper Pipes & Fittings

# Others EATON 1

#### Description

- ABS Pipes & Fittings
- Stainless Steel Pipes & Fittings
- Carbon Steel Pipes & Fittings
- Galvanize Iron Pipes & Fittings
- Copper Pipes & Fittings





# **Duplex Strainers**

## Description

Model 53BTX Duplex Basket Strainer, 3/4" to 4" Iron, Bronze, Carbon Steel or Stainless Steel – Threaded or Flanged Patented diverter cartridge assures leak-light isolation of basket chamber during cleaning

## Features:

Easy-to-operate lever handle - no gear box required
Unique seat and seal design requires no adjustments
Reinforced polymer seats for longer service life
Foot pads for rock solid installation
Double-stem O-rings for positive sealing
Easy-to-access body vent valve
Both side and bottom drain plugs on each basket well
Piston seal strainer basket cover
Easy access for diverter cartridge removal
Optional steam jacket construction

Dynamic patented ball sealing system for long life

## **Duplex / Simplex Stariners**

Model 72 Simplex Strainer, 3/8" to 8" Iron, Bronze, Carbon Steel and Stainless Steel - Threaded and Flanged

#### Features:

Quick open cover without tools
Large capacity baskets
Threaded drain
Machined basket seat
Perforated or mesh stainless steel baskets standard

## Options:

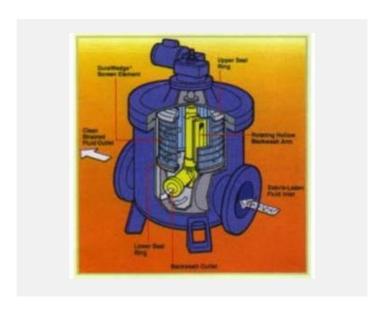
Basket perforations from 1/32" to 1/2"
Basket mesh from 20 to 400
Monel baskets
Viton, TFE or EPDM seals
Vent valves
Drain valves
1/4" NPT taps
Magnetic basket inserts
Pressure differential gauge and switch connections





# **Bag Filtration Systems**

# **Automatic Self-Cleaning Strainers**



# Pump Valve Engineering Sdn. Bhd.

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Pump Valve Engineering S	3dn. Bhd.		