

Our Website:
www.djkvalvespumps.com

DJK

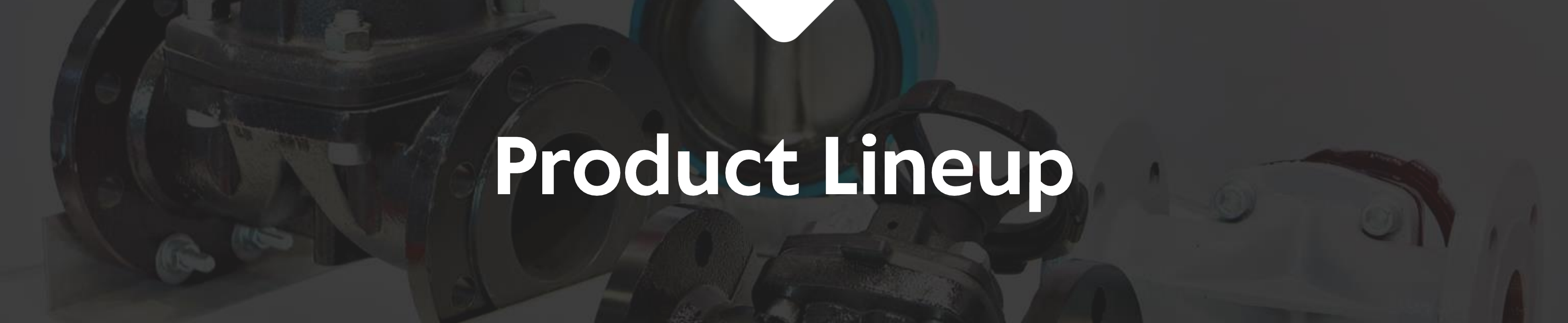
High Pressure Control Valves



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Product Lineup

Series 10 Globe & Angle Valves

1

Series 10C Globe & Angle Valves

2

Series 11 Globe & Angle Valves

3

Series 20 High Performance Butterfly Valves

4

Series 21 Triple Offset Butterfly Valves

5

Accessories

Series 40 Chokes

1

Series 30 Spring and Diaphragm Actuator

2

Series 31 Multi Spring Diaphragm Actuator

3

Series 32 Pneumatic Piston Actuator

4

Series 10 Globe & Angle Valves

1" to 24"

Size Range

Upto 600#

Rating

Bonnet	Material		Style
	WCB/WCC, LCB/LCC, CF8M, CF3M, Duplex, Super Duplex, 6Mo, Monel, Inconel, HTB1, Al. Bronze		Standard, Extension and Cryogenic
Trim	Material	Type	Balancing
	No Restriction	Microspline, Contoured, Multi Hole Cage, Anti cavitation trim, Low Noise Trim	1 to 4" Unbalanced 1 to 24" Balanced

Flow Characteristics

- Linear
- Equal Percent
- Customized

Gland Packing

- PTFE Chevrons
- Graphite

Seat Leakage

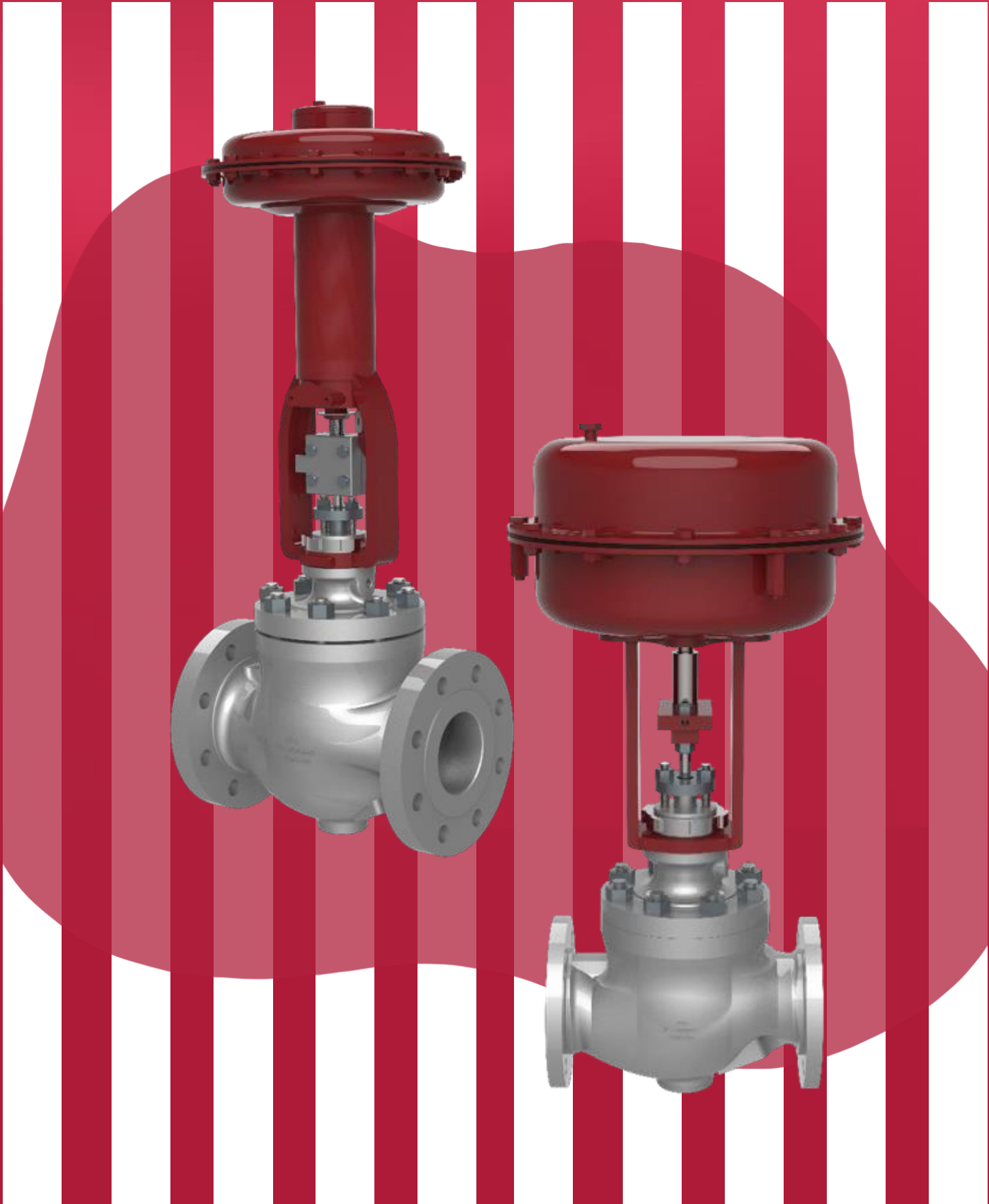
- Class IV
- Class V
- Class VI

Balancing Seal

- Spring energized Lip seal
- Graphite Seal

Application

- Service : Throttling & On-off
- Fluid : Water, Steam, Gases, HC, Acids, Chemicals etc.
- Temp : Extreme low to extreme High
- Pressure : Wide range of pressure drops
- Severity : Cavitation, Flashing and Noise



Series 10C Globe & Angle Valves

1" to 8"

Size Range

Upto 600#

Rating

Bonnet	Material		Style
	CF8M		Cryogenic
Trim	Material	Type	Balancing
	316SS	Microspline, Contoured, Multi Hole Cage, Anti cavitation trim, Low Noise Trim	1 to 4" Unbalanced 1 to 8" Balanced

Flow Characteristics

- Linear
- Equal Percent
- Customized

Gland Packing

- PTFE Chevrons

Seat Leakage

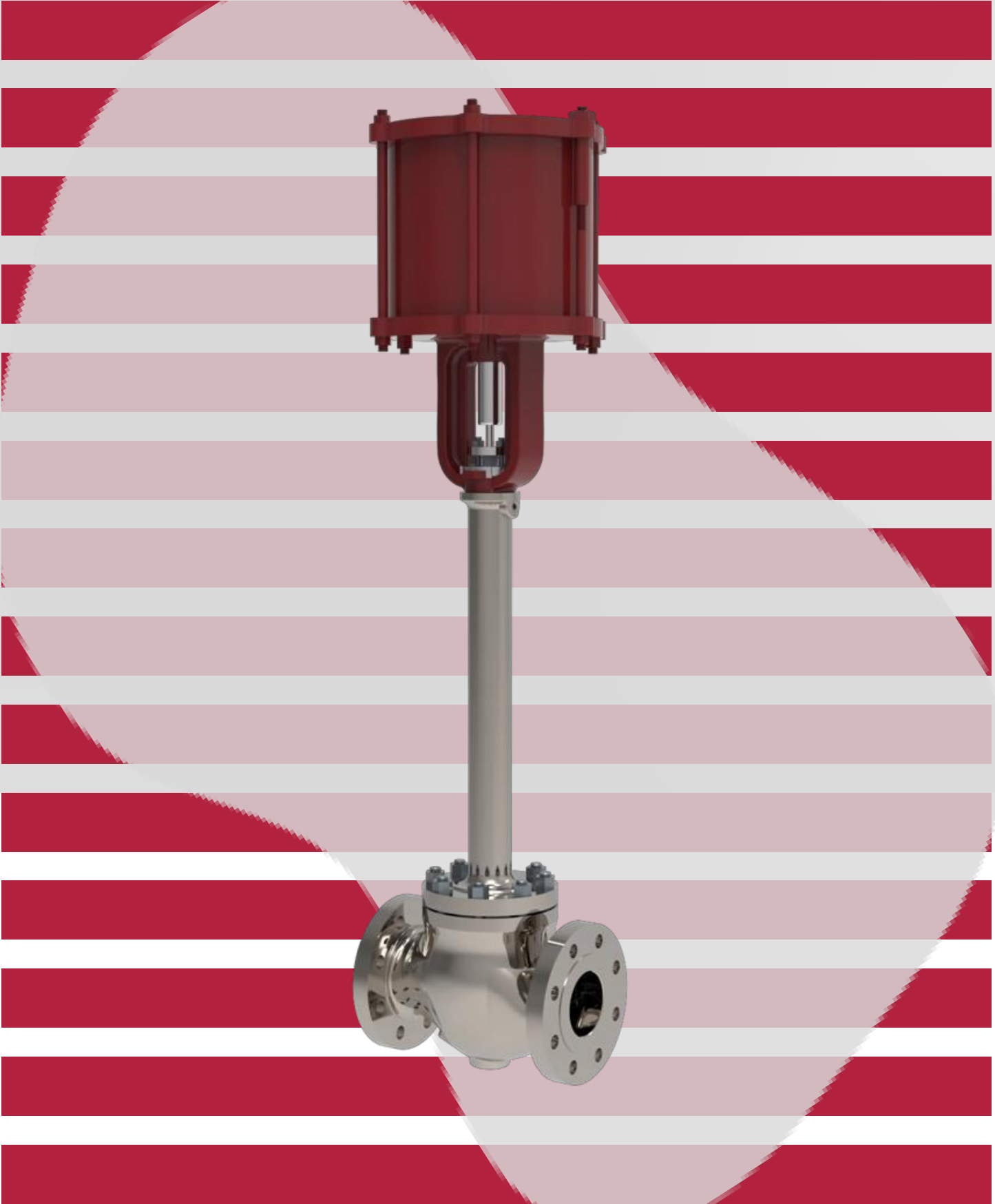
- Class IV
- Class V
- Class VI

Balancing Seal

- Spring energized Lip seal

Application

- Service : Throttling & On-off
- Fluid : O2,N2, Air, LOX, Liquid N2, H2 etc
- Temp : Ambient to Extreme low temperatures
- Pressure : Wide range of pressure drops
- Severity : Cavitation, Flashing and Noise



Series 11 Globe & Angle Valves

1" to 12"
Size Range

Upto 2500#
Rating

Bonnet	Material		Style
	WCB/WCC, LCB/LCC, CF8M, CF3M, Duplex, Super Duplex, 6Mo, Monel / Inconel, HTB1, Al. Bronze		Standard, Extension and Cryogenic
Trim	Material	Type	Balancing
	No Restriction	Microspline, Contoured, Multi Hole Cage, Anti cavitation trim, Low Noise Trim, Stack Trims	1 to 2" Unbalanced 1 to 12" Balanced

Flow Characteristics

- Linear
- Equal Percent
- Customized

Gland Packing

- PTFE Chevrons
- Graphite

Seat Leakage

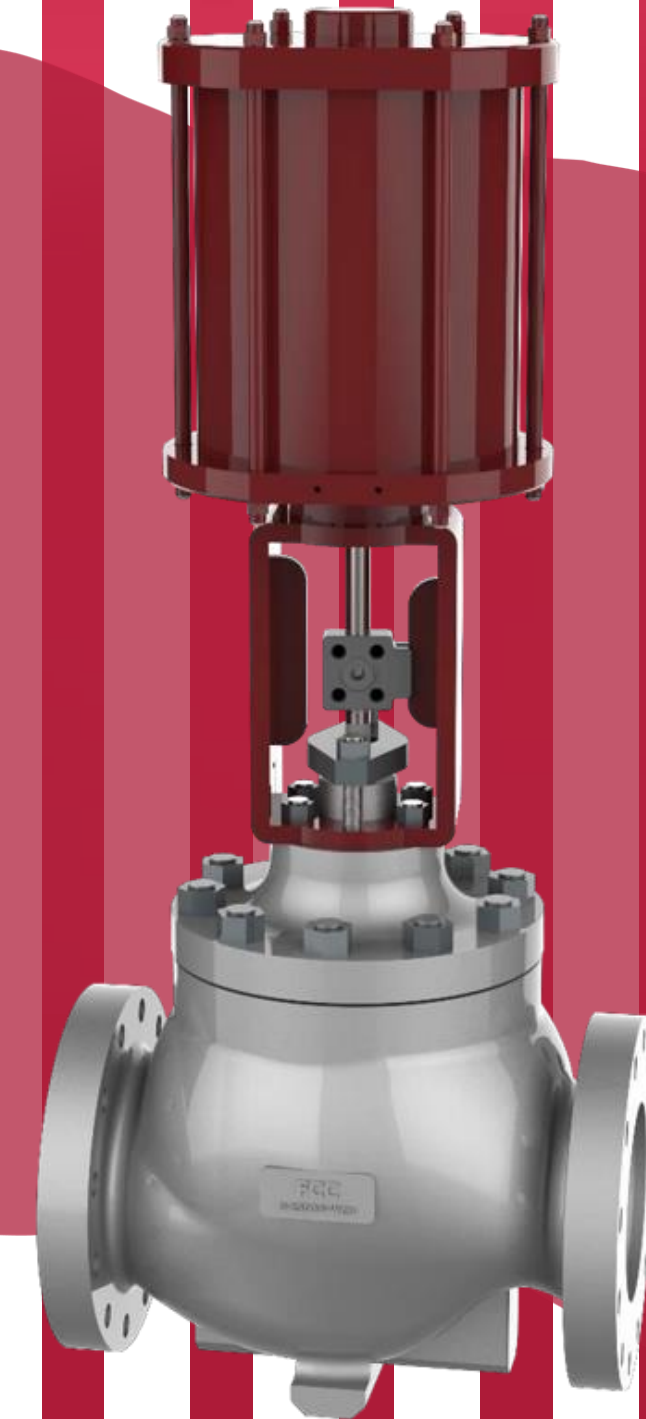
- Class IV
- Class V
- Class VI

Balancing Seal

- Spring energized Lip seal
- Graphite Seal

Application

- Service : Throttling & On-off
- Fluid : Water, Steam, Gases, HC, Acids, Chemicals etc.
- Temp : Extreme low to extreme High
- Pressure : Wide range of pressure drops
- Severity : Cavitation, Flashing and Noise



Series 20 High Performance Butterfly Valves

3" to 36"

Size Range

Upto 600#

Rating

Bonnet	Material
	WCB/WCC, LCB/LCC, CF8M, CF3M, Duplex, Super Duplex,6Mo, Monel / Inconel, HTB1, Al. Bronze
Trim	Type
	Double Offset

Flow Characteristics

- Modified Equal Percentage (Inherent)

Gland Packing

- PTFE Chevrons

Seat Leakage

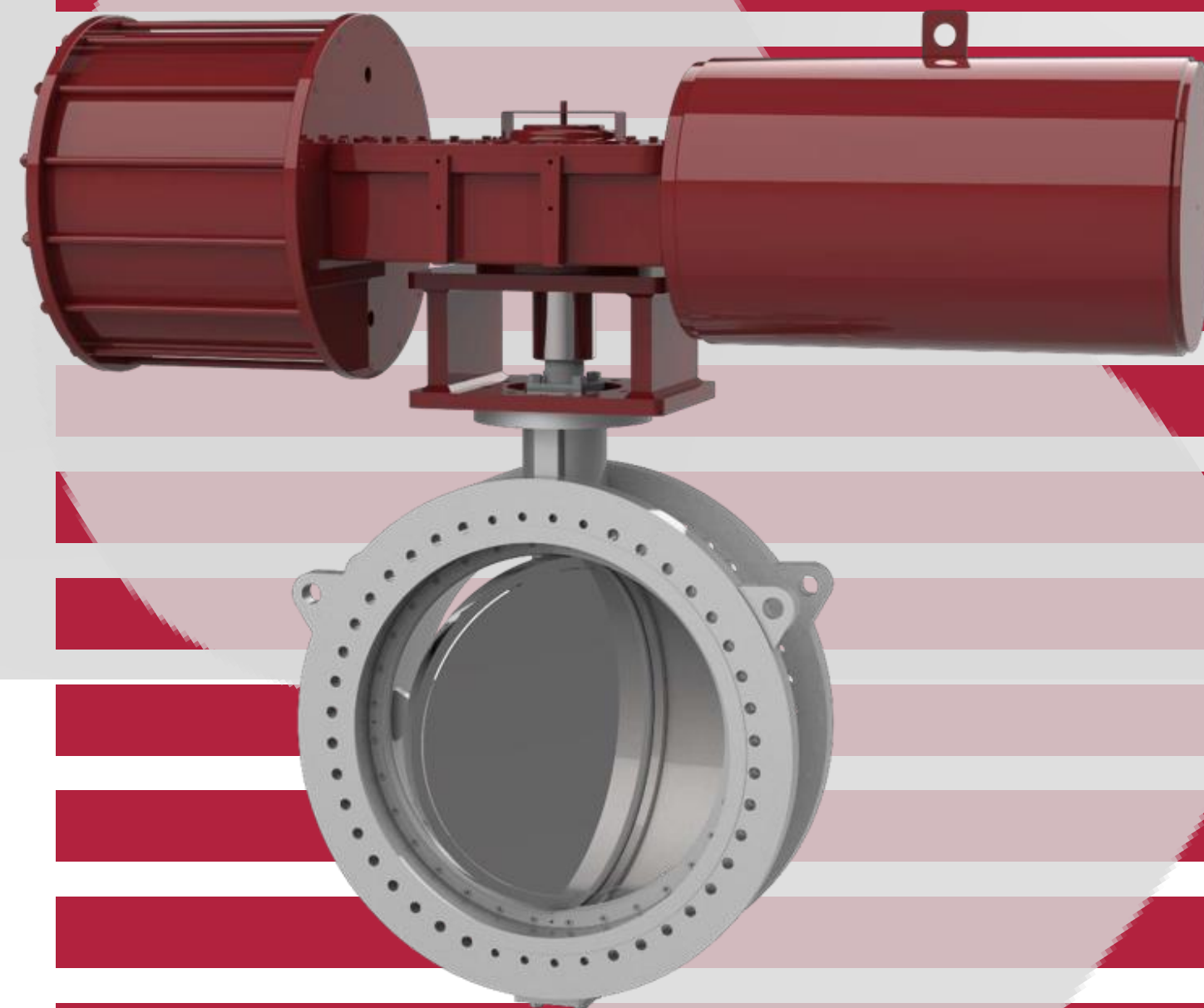
- Class IV
- Class VI

Body Seal Type

- Soft Seal
- Metal Seal

Application

- Service : Throttling & On-off
- Fluid : Water, Steam, Gases, HC, Acids, Chemicals etc.
- Temp : Extreme low to extreme High
- Pressure : Wide range of pressure drops
- Severity : Low to Moderate pressure drops



Series 21 Triple Offset Butterfly Valves

3" to 36"
Size Range

Upto 600#
Rating

Bonnet	Material
	WCB/WCC, LCB/LCC, CF8M, CF3M, Duplex, Super Duplex, 6Mo, Monel / Inconel, HTB1, Al. Bronze
Trim	Type
	Triple Offset

Flow Characteristics

- Modified Equal Percentage (Inherent)

Gland Packing

- PTFE Chevrans
- Graphite

Seat Leakage

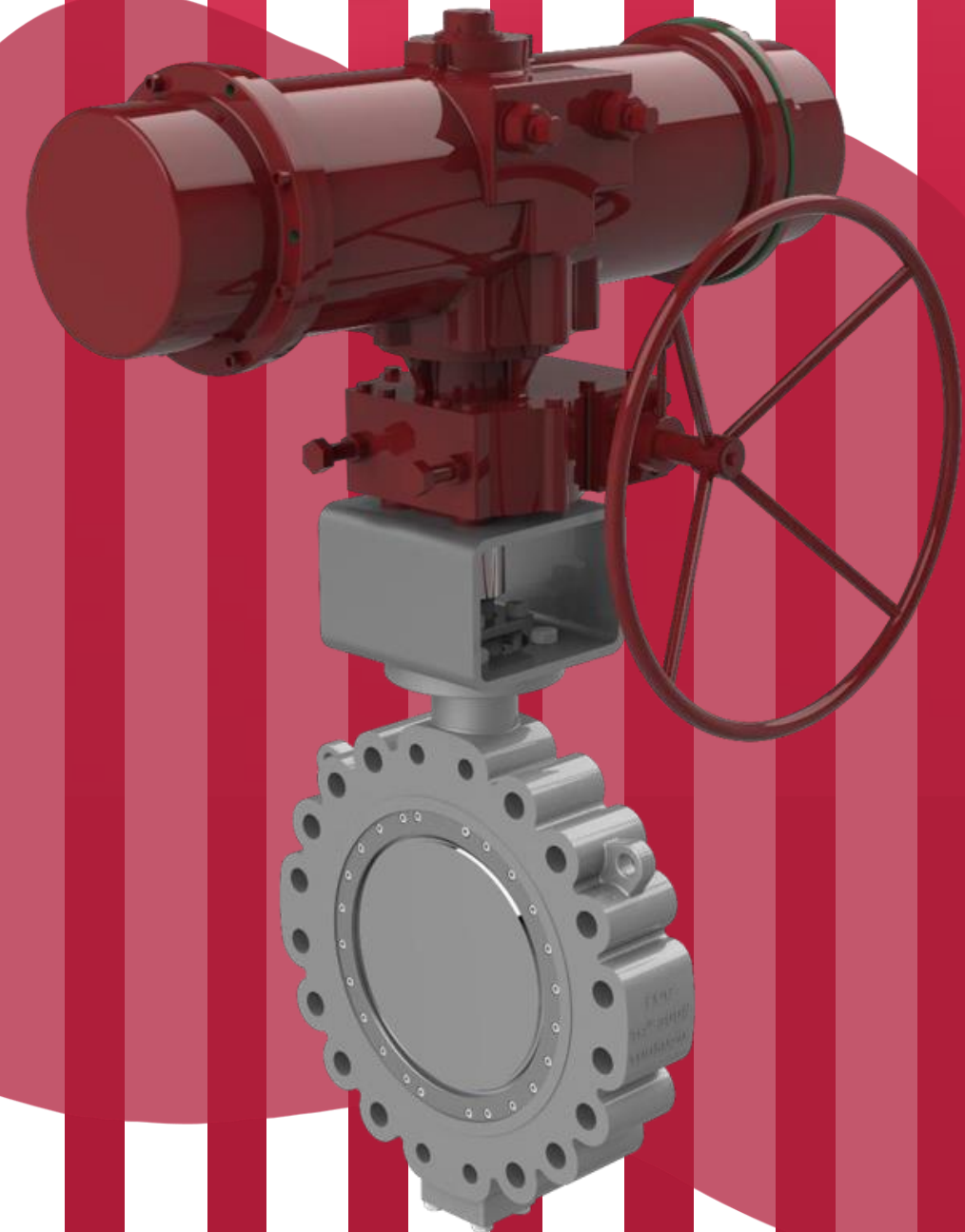
- Class IV
- Class V
- Class VI

Body Seal Type

- Laminated Metal Seal

Application

- Service : Throttling & On-off
- Fluid : Water, Steam, Gases, HC, Acids, Chemicals etc.
- Temp : Extreme low to extreme High
- Pressure : Low to Moderate pressure drops
- Severity : General Service



Control Valves - Fully Lined

Lined Globe Control

0.5" to 4"
Size Range

#150
Pressure Rating

#150 & #300
Flange Rating



Lined Butterfly Control

0.5" to 32"
Size Range

#150
Pressure Rating

#150 & #300
Flange Rating



Lined Plug Control

0.5" to 8"
Size Range

#150
Pressure Rating

#150 & #300
Flange Rating



Lined Ball Control

0.5" to 6"
Size Range

#150
Pressure Rating

#150 & #300
Flange Rating



V Notch Ball



Characteristic Plug

Materials

- WCB
- CF8
- CF8M
- CF3M
- HASTELLOY C 276
- INCONEL
- DUPLEX
- ALLOY 20
- SUPER DUPLEX
- MONEL

Lining Materials

- PFA
- PVDF
- PPH
- ETFE
- UHMWPE
- ANTISTATIC PFA

PS: Fugitive Emission
Test Certificate as per
ISO-15848-1

Series 40 Chokes

5 1/8
Size Range

Upto 15000psi
Rating

Bonnet Material

- A487 Gr4C, A694 GrF60, 60K castings
- A995 Gr4A, 6A, 60K castings
- AISI 4130 75K Forgings
- A182 GrF51, 60K Forgings
- A182 GrF55, 75K Forgings

Plug / seat / Cage

- Duplex
- Inconel 625
- WC

Application

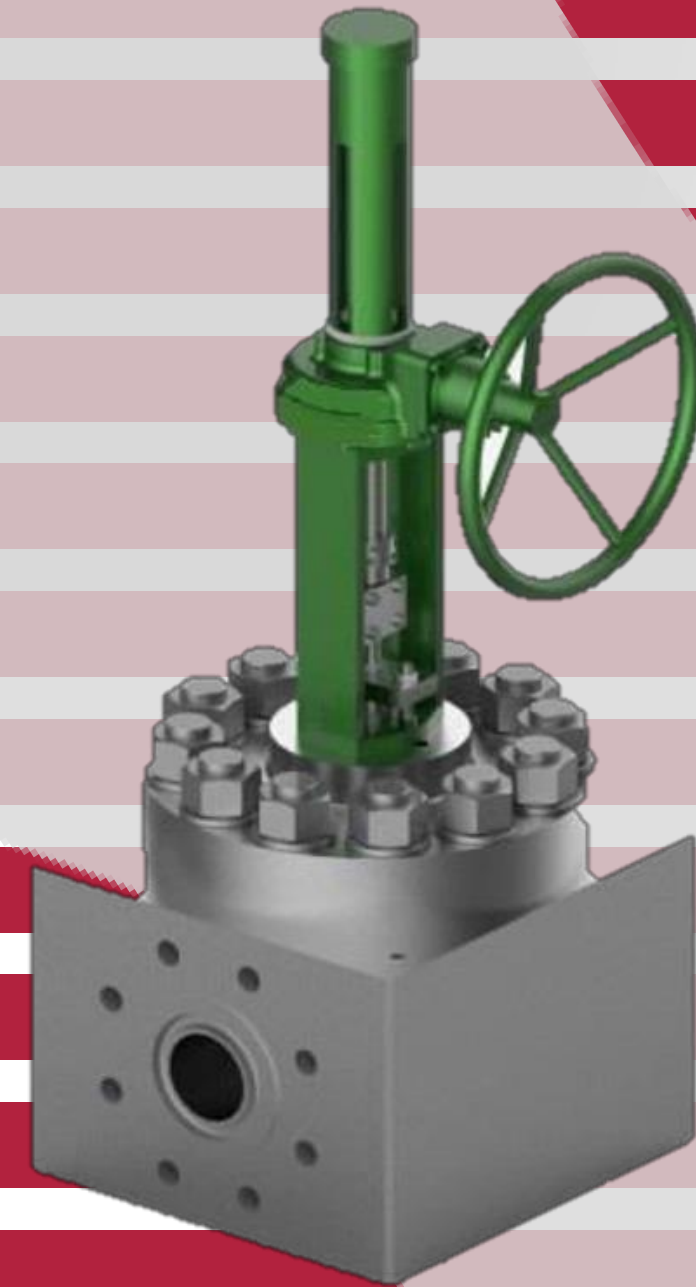
- Production well head
- Water injection / Gas injection
- Gas Lift
- Produced water

Stem

- Inconel 718

T- Seal

- 4130 / Inconel 62/ F55



Series 30 Spring and Diaphragm Actuator

38, 75, 150 & 300 sq in
Size Range

-20°C to 80°C
Temperature

3/4 inch to 4 inch
Travel

Air and Nitrogen
Operating Medium

Pneumatic Supply

- 4.1 barg (60psi) for sizes 38, 75 & 150 sq in
- 3.4 barg (50psi) for sizes 300 sq in

Spring Ranges

- Various spring range combination for various sizes

Manual Override

- Top mounted HW for 38 in2
- Side mounted HW for 75 in2 , 150 in2 , 300 in2

Options

- Upper and Lower limit stops

Fail action

- Air Fail Open,
- Air Fail Close
- Air Fail Stay Put

Salient Features

- Single acting
- Field reversible
- Easy Installation on Valves
- Rugged Construction



Series 31 Multi Spring Diaphragm Actuator

60, 100, 160 & 230 sq in
Size Range

-20⁰C to 80⁰C
Temperature

3/4 inch to 2.5 inch
Travel

Air and Nitrogen
Operating Medium

Pneumatic Supply

- 4.1 barg for all actuator sizes

Spring Ranges

- 3-15 psi
- 6-30 psi
- 11-23 psi
- 21-45psi

Manual Override

- Side mounted Handwheel

Options

- Upper and Lower limit stops

Fail action

- Air Fail Open
- Air Fail Close
- Air Fail Stay Put

Salient Features

- Single acting
- Field reversible
- Easy Installation on Valves
- Compact Design



Series 32 Pneumatic Piston Actuator

30, 50, 110, 220 sq in
Size Range

-20°C to 80°C
Temperature

3/4 inch to 12 inch
Travel

Air and Nitrogen
Operating Medium

Pneumatic Supply

- 6 barg for all actuator sizes

Spring Ranges

- 3-15 psi
- 6-30 psi
- 11-23 psi
- 21-45 psi

Manual Override

- Side mounted Handwheel

Options

- Upper and Lower limit stops

Fail action

- Air Fail Open,
- Air Fail Close
- Air Fail Stay Put

Salient Features

- Double acting spring fail safe
- Double acting with inbuilt volume tank
- Double acting with separate volume tank
- High thrust capability





OFFICE



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OFFICE



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*Thank
you!*