SAMAMAT FLOW CONTROL L.L.C.

SAMAMAT

SFC-MK-LS-001 Rev. : 04 - Edition 2024

COMPANY PROFILE

COMPANY LOCATION	Company Address	Plot No 597- 4904, Warehouse No 6, P.O. Box: 96047, DIP2, Dubai, UAE
	Telephone Number	+971 4 884 2212
	Fax Number	+971 4 884 2213
	Website	www.samamatuae.com
	Contact	sales@samamatuae.com
COMPANY INFORMATION	Product	Ball Valve, DBB Ball Valve, Butterfly Valve, Gate Valve, Check Valve, Globe Valve, Dual Plate Check Valve
	Product Size	1/2" to 56"
COMPANY SIZE	Machine Shop Area	14,000 sq.ft.
	Welding Shop Area	2,000 sq.ft.
	Assembly Area & Testing Area	12,000 sq.ft.
	Painting Area & Stores	5,000 & 12,000 sq.ft.
TRANSPORTATION	Airport	DXB 35.1KM, DWC 10.5KM
	Seaport	Jebel Ali 16.4KM
CAPABILITY	MANUFACTURING: Ball Valve (1/2"-42"), Gate Valve (1/2"-36"), Globe Valve (1/2"-16") Check Valve (1/2"-24"), Butterfly Valve(1/2"-56"), Motor Operated Valve (MOV) Emergency Shutdown Valves (ESD), Actuated Valves with Hydraulic Actuator, Gas over Oil, Electro Pneumatic, etc.	
	SERVICING: Refurbishment of all kinds of Ball, GGC, & Butterfly Valves, integration of Actuators, Hydro Testing & FET, Machining & Painting	
	CLADDING: Welding & overlay of Valves & Flanges Cladding from 4" to 36" Flanges and Valves Maximum Bore Depth: up to 300mm for 4" and up to 800mm from 6" up to 32" Weldable Bore Dia.: 800mm	

SAMAMAT

Samamat Flow Control L.L.C. is a UAE-based Valve-Manufacturing and Valve-Servicing Company for the process, power, and energy-related industries. Samamat has state-of-the-art manufacturing facility, producing high-quality valves to meet specific requirements of both local and international clients. This modern facility is supported by a specialized team of highly-skilled, ingenious technicians who ensure that the valves consistently deliver high performance and adherence to international standards.

Samamat has been specially organized to meet client requirements through an in-house testing facility of MT, PT, UT, Hardness, Chemical Analysis and PMI, Fugitive Emission and Cladding thickness in line with Machining, Assembling, Testing, Inspection, Welding and Packing. The facility is situated in Dubai Investments Park, Dubai, UAE.

Samamat also excels in delivering outstanding services to its customers. All team members are trained to work in a SMART, dedicated and timely basis to ensure that they keep their promise to stakeholders like customers, colleagues, suppliers, regulators, financiers, and shareholders.

Mission

To offer a wide range of products and specialized services for Valves and Flanges while ensuring that the customer's needs are met on time and according to specifications.

Vision

To become a global leader in providing innovative products and services for the Flow-Control industry, creating value in order to meet customer expectations in terms of quality, reliability and customer service.

Values

Integrity | Building Relationships

Ownership & Commitment | Teamwork | Customer Focus

ABOUT US

Quality Policy

Samamat Flow Control believes in achieving rapid and continual improvement in our processes and performance to ensure that Design, Development & Manufacture of all products and services meet and exceed API/PED design specifications and customer requirements.

We are committed to providing quality assured products and services on time to satisfy our customers by delivering best-in-class valves and flowcontrol solutions.

We will achieve this by:

1. Designing, developing, manufacturing, and supplying flow control products and solutions to the total satisfaction of Customers through innovation, world-class leadership, employee development, and social responsibility.

2. Continuously improve the Quality Indicators of our systems and processes in alignment with our long and short term strategy.

3. Complying with codes, standards, customer specifications, as well as statutory and regulatory requirements that will apply to our products and services.

4. Continually improving the effectiveness of our Quality Management System by assessing the efficacy and refining them through the involvement of our people and the application of appropriate technology and processes.

5. Continuously work towards strengthening the relationship with all stakeholders.

6. Focusing on being an environmentally friendly company by implementing best practices in reuse, recycling, and waste disposal.

7. Implementing, communicating, and embedding the tenets of this Quality Policy at all levels.

QUALITY CONTROL

Samamat Flow Control L.L.C. is designed to achieve the goals to produce high quality of valves and flanges to meet the client requirements and complying to standards with State of the Art equipment, facilities and well skilled and trained workers supported by highly qualified and certified technical engineering staff.

Samamat Flow Control L.L.C. have been well organized to perform all testing requirements, with in-house facility to ensure the quality of the product by qualified NDT Level II and III Inspectors, CSWIP Certified Welding Inspectors and BGAS Certified Inspectors.

Test Performed In-house are:

- Magnetic Particle Examination (MT)
- Ultrasonic Examination (UT)
- Dye Penetrant Examination (DP)
- Positive Material Identification (PMI)
- Hardness Test
- Valve Pressure Test
- Fugitive Emission Testing (FET)
- Cladding Thickness Testing

Samamat Flow Control' s Quality Management System has been certified in accordance with: ISO 9001:2015, API Spec. Q1: 9th Edition, Pressure Equipment Directive 2014/68/EU (PED), IEC 61508:2010 (SIL-3) and our products meets design standards API 6D, API 594, API 600, API 602 and Fire Safe according to API 607, API 6FA & ISO 10497.

CERTIFICATES

API 609 – BUTTERFLY VALVES

Certificate of Authority to use the Official API Monogram

License Number: 609-0294 ORIGINAL

The American Petroleum Institute hereby grants to

SAMAMAT FLOW CONTROL L.L.C.
96047 Ware House # 6
Plot # 597-4904 Dubai Investment Park 2
Dubai
United Arab Emirates

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API-609 and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 609-0294

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Butterfly Valves - Category B

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: MARCH 27, 2024
Expiration Date: MAY 1, 2027

Senior Vice President of Global Industry Services

To verify the authenticity of this license, go to www.api.org/compositelist.

American Petroleum Institute

API 6D - BALL VALVES

Certificate of Authority to use the Official API Monogram

License Number: 6D-1782 ORIGINAL

The American Petroleum Institute hereby grants to

SAMAMAT FLOW CONTROL L.L.C.
96047 Ware House # 6
Plot # 597-4904 Dubai Investment Park 2
Dubai
United Arab Emirates

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API-6D and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 6D-1782

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Ball Valves

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: MAY 1, 2024
Expiration Date: MAY 1, 2027

Senior Vice President of Global Industry Services

To verify the authenticity of this license, go to www.api.org/compositelist.

American Petroleum Institute

API 600 – GATE VALVES

Certificate of Authority to use the Official API Monogram

License Number: 600-0283 ORIGINAL

The American Petroleum Institute hereby grants to

SAMAMAT FLOW CONTROL L.L.C.
96047 Ware House # 6
Plot # 597-4904 Dubai Investment Park 2
Dubai
United Arab Emirates

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API-600 and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 600-0283

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Bolted Bonnet Steel Gate Valves

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: MAY 1, 2024
Expiration Date: MAY 1, 2027

Senior Vice President of Global Industry Services

To verify the authenticity of this license, go to www.api.org/compositelist.

American Petroleum Institute

API 602 – FORGED GGC VALVES

Certificate of Authority to use the Official API Monogram

License Number: 602-0094 ORIGINAL

The American Petroleum Institute hereby grants to

SAMAMAT FLOW CONTROL L.L.C.
96047 Ware House # 6
Plot # 597-4904 Dubai Investment Park 2
Dubai
United Arab Emirates

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API-602 and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 602-0094

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Check Valves – DN 100 (NPS 4) and Smaller, Globe Valves – DN 100 (NPS 4) and Smaller, Gate Valves – DN 100 (NPS 4) and Smaller

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: MAY 1, 2024
Expiration Date: MAY 1, 2027

Senior Vice President of Global Industry Services

To verify the authenticity of this license, go to www.api.org/compositelist.

American Petroleum Institute

API 594 – CHECK VALVES

Certificate of Authority to use the Official API Monogram

License Number: 594-0023 ORIGINAL

The American Petroleum Institute hereby grants to

SAMAMAT FLOW CONTROL L.L.C.
96047 Ware House # 6
Plot # 597-4904 Dubai Investment Park 2
Dubai
United Arab Emirates

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API-594 and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 594-0023

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Check Valves - Type B

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: MAY 1, 2024
Expiration Date: MAY 1, 2027

Senior Vice President of Global Industry Services

To verify the authenticity of this license, go to www.api.org/compositelist.

American Petroleum Institute

SAMAMAT

CERTIFICATES

SIL-3 CERTIFICATE FOR FLOATING BALL VALVE

exida

Certificate / Certificat
Zertifikat / 合格証

SAM 2108032 C001

exida hereby confirms that the:

Floating Ball Valves

SAMAMAT Flow Control L.L.C
Dubai - UAE

Have been assessed per the relevant requirements of:

IEC 61508 : 2010 Parts 1-7

and meets requirements providing a level of integrity to:

Systematic Capability: SC 3 (SIL 3 Capable)

Random Capability: Type A, Route 2_H Device

PFH/PFD_{avg} and Architecture Constraints must be verified for each application

Safety Function:
The Ball Valve will move to the designed safe position per the actuator design within the specified safety time.

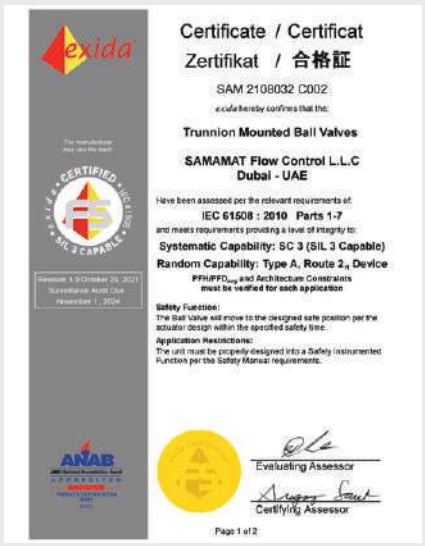
Application Restrictions:
The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.

Evaluating Assessor

Certifying Assessor

Page 1 of 2

SIL-3 CERTIFICATE FOR TRUNNION MOUNTED BALL VALVE



exida

Certificate / Certificat
Zertifikat / 合格証

SAM 2108032 C002

exida hereby confirms that the:

Trunnion Mounted Ball Valves

SAMAMAT Flow Control L.L.C
Dubai - UAE

Have been assessed per the relevant requirements of:

IEC 61508 : 2010 Parts 1-7

and meets requirements providing a level of integrity to:

Systematic Capability: SC 3 (SIL 3 Capable)

Random Capability: Type A, Route 2_H Device

PFH/PFD_{avg} and Architecture Constraints must be verified for each application

Safety Function:
The Ball Valve will move to the designed safe position per the actuator design within the specified safety time.

Application Restrictions:
The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.

Evaluating Assessor

Certifying Assessor

Page 1 of 2

PED: 2014/68/EU

ATTESTATION D'APPROBATION DE SYSTÈME DE QUALITÉ

CERTIFICATE OF QUALITY SYSTEM APPROVAL

N° CE-0062-PED-H-SFC 001-21-ARE

N° CE-0062-PED-H-SPC 001-21-ARE

Annexe à l'attestation
Annex to the Certificate

ANNEXURE 1

ISO 9001:2015

QMS REGISTERED

Certificate of Registration

APIQR® REGISTRATION NUMBER
3622

This certifies that the quality management system of
SAMAMAT FLOW CONTROL L.L.C.
96047 Ware House # 6
Plot # 597-4904 Dubai Investment Park 2
Dubai
United Arab Emirates

has been assessed by the American Petroleum Institute Quality Registrar (APIQR®) and found it to be in conformance with the following standard

ISO 9001:2015

The scope of this registration and the approved quality management system applies to the
Design, Development, Manufacture and Servicing of Valves and Flanges

APIQR® approves the organization's justification for excluding
No Exclusions Identified as Applicable

Effective Date: MAY 1, 2021
Expiration Date: MAY 1, 2024
Registered Since: MAY 1, 2018

Vice-President of Global Industry Services

API SPEC Q1

API American Petroleum Institute

REGISTRATION NO. Q1-3467

Certificate of Registration

The American Petroleum Institute certifies that the quality management system of

SAMAMAT FLOW CONTROL L.L.C.
96047 Ware House # 6
Plot # 597-4904 Dubai Investment Park 2
Dubai
United Arab Emirates

has been assessed by the American Petroleum Institute and found to be in conformance with the following:

API Spec Q1, 9th Edition

The scope of this registration and the approved quality management system applies to the

Design, Development, Manufacture and Servicing of Valves and Flanges

API approves the organization's justification for excluding

No Exclusions Identified as Applicable

Effective Date: MAY 1, 2024
Expiration Date: MAY 1, 2027
Registered Since: MAY 1, 2018

Senior Vice President of Global Industry Services

Q1 API Spec Q1 Registered

PRODUCT RANGE BY SIZE AND PRESSURE RATING VALVES

TYPE OF VALVES	DESIGN	150	300	600	800	900	1500	2500
FORGED GATE VALVE	API 602	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 2"	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 1 1/2"
FORGED GLOBE VALVE	API 602	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 2"	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 1 1/2"
FORGED CHECK VALVE	API 602	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 2"	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 1 1/2"
CAST GATE VALVE	API 600	2" to 36"	2" to 36"	2" to 36"		2" to 24"	2" to 12"	2" to 12"
CAST GLOBE VALVE	BS 1873, API 623	2" to 16"	2" to 16"	2" to 16"				
SWING CHECK VALVE	API 594, BS 1868	2" to 24"	2" to 24"	2" to 24"		2" to 24"	2" to 12"	2" to 12"
DUAL PLATE CHECK VALVE	API 594	2" to 36"	2" to 36"	2" to 36"		2" to 24"	2" to 24"	2" to 24"
FLOATING BALL VALVE	API 6D, ISO 17292, API 608	1/2" to 6"	1/2" to 6"	1/2" to 6"	1/2 to 2"	1/2 to 2"	1/2 to 2"	1/2" to 2"
TRUNNION BALL VALVE	API 6D, API 608	2" to 42"	2" to 42"	2" to 42"		2" to 36"	2" to 24"	2" to 12"
DOUBLE BLOCK & BLEED VALVE FLOATING TYPE	API 6D, ISO 17292	1/2" to 6"	1/2" to 6"	1/2" to 6"	1/2 to 2"	1/2 to 2"	1/2 to 2"	1/2 to 2"
DOUBLE BLOCK & BLEED VALVE TRUNION TYPE	API 6D	2" to 12"	2" to 12"	2" to 12"		2" to 12"	2" to 12"	2" to 12"
CONCENTRIC BUTTERFLY VALVE	API 609 CATEGORY A, BS EN 593	1 ½" to 56	1 ½" to 56 (PN 10)	1 ½" to 56 (PN 16)	1 ½" to 56 (PN 20)			
TRIPLE OFFSET BUTTERFLY VALVE	API 609 CATEGORY B, BS EN 593	3" to 56"	3" to 56"	3" to 10"				
Y-STRAINER	ASME B16.34	2" to 12"	2" to 12"	2" to 12"		2" to 12"		

FLANGES

TYPE OF FLANGES	DESIGN	PRESSURE RATING	SIZE	MATERIAL
WELD NECK	ASME/ANSI B16.5, ASME/ANSI B16.47 (Series A, B), MSS-SP-44	150 300 600 900 1500 2500	½" to 36"	CARBON STEEL, STAINLESS STEEL, SDSS, DSS & ALLOY STEEL
SLIP ON				
BLIND				
SOCKET WELD				
LAP JOINT				
THREADED				
RING TYPE JOINT				
LONG WELD				
CLADDED FLANGE	ASME/ANSI B16.5, ASME/ANSI B16.47 (Series A, B)		4" to 36"	N/A

SERVICES PROVIDED:

VALVES

- Repair & Maintenance
- Site Supervision for Start-up & Commissioning
- Automation from Manual Valve to Actuated Valve
- Hydro Testing as per API 598 & API 6D, ISO5208, EN 12266-1 & 2

OTHER PIPING PRODUCTS

- Cladding for Flanges
- Machining Services
  - Turning
  - Milling
  - Surface Grinding
  - Slotting
  - Drilling
  - Boring
- Pipe Rectification
- Pipe Threading

SAMAMAT

PRODUCT DETAILS

TRUNNION SIDE ENTRY BALL VALVE	
Size	2" to 42"
Pressure Class	150, 300, 600, 900, 1500 & 2500
Product Name	Trunnion Side / Top Entry Ball Valve - Full Bore / Reduce Bore
Design According to	API 6D, API 608, ISO 17292
Pressure - Temp Rating	ASME B16.34
Face to Face According to	ASME B16.10, API 6D
End Connection According to	ASME B16.5, ASME B16.25
Inspection & Testing	API 598, API 6D, EN 12266-1 & 2
Fire Safe	API 607, API 6FA, ISO 10497
Operation	Lever, Gear, Motor, Pneumatic, GOV, Hydraulic, etc.
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW & LRF
Design Features	2Pcs or 3Pcs Bolted Body, Soft Seat, Metal Seat, Anti Blow Out Stem, Antistatic Design, Double Block & Bleed, DIB-I & DIB-II Configuration, Self Relieving, Single / Double Piston effect, Stem Injection & Seat Sealant Injection, Cavity Relief
Model Number	BTF-C1S0, BTF-C2S0, BTF-C3S0, BTF-C1M0, BTF-C2M0, BTF-C3M0, BTR-C1S0, BTR-C2S0, BTR-C3S0, BTR-C1M0, BTR-C2M0, BTR-C3M0, BTF-F1S0, BTF-F2S0, BTF-F3S0, BTF-F1M0, BTF-F2M0, BTF-F3M0, BTR-F1S0, BTR-F2S0, BTR-F3S0, BTR-F1M0, BTR-F2M0, BTR-F3M0

FLOATING BALL VALVE	
Size	1/2" to 6"
Pressure Class	150, 300, 600 (also up to 2" Class 800, 900, 1500 & 2500)
Product Name	Floating Side / Top Entry Ball Valve - Full Bore / Reduce Bore
Design According to	API 6D, API 608, ISO 17292
Pressure - Temp Rating	ASME B16.34
Face to Face According to	ASME B16.10, API 6D
End Connection According to	ASME B16.5, ASME B16.25, ASME B16.11
Inspection & Testing	API 598, API 6D, EN 12266-1 & 2
Fire Safe	API 607, API 6FA, ISO 10497
Operation	Lever, Gear, Motor, Pneumatic
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW, LRF, SW, NPT & Nipple Ends
Design Features	2Pcs or 3Pcs Bolted Body, Soft Seat, Metal Seat, Anti Blow Out Stem, Antistatic Design, Cavity Relief
Model Number	BFF-C1S0, BFF-C2S0, BFF-C3S0, BFF-C1M0, BFF-C2M0, BFF-C3M0, BFR-C1S0, BFR-C2S0, BFR-C3S0, BFR-C1M0, BFR-C2M0, BFR-C3M0, BFF-F1S0, BFF-F2S0, BFF-F3S0, BFF-F1M0, BFF-F2M0, BFF-F3M0, BFR-F1S0, BFR-F2S0, BFR-F3S0, BFR-F1M0, BFR-F2M0, BFR-F3M0

GATE VALVE	
Size	2" to 36"
Pressure Class	150, 300, 600 (2" to 12" for Class 900, 1500 & 2500)
Product Name	Cast Gate Valve
Design According to	API 600
Pressure - Temp Rating	ASME B16.34
Face to Face According to	ASME B16.10
End Connection According to	ASME B16.5, ASME B16.25
Inspection & Testing	API 598, EN 12266-1 & 2
Operation	Hand Wheel, Gear, Motor
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW & LRF
Design Features	Bolted Bonnet, Pressure Seal Bonnet, Flexible Wedge, Renewable Seats, OS & Y Raising Stem
Model Number	GAS-C0M0

GLOBE VALVE	
Size	2" to 16"
Pressure Class	150, 300, 600
Product Name	Cast Globe Valve
Design According to	BS 1873, API 623
Pressure - Temp Rating	ASME B16.34
Face to Face According to	ASME B16.10
End Connection According to	ASME B16.5, ASME B16.25
Inspection & Testing	API 598, EN 12266-1 & 2
Operation	Hand Wheel, Gear, Motor
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW & LRF
Design Features	Bolted Bonnet, Plug Type, Renewable Seats, OS & Y Raising Stem
Model Number	GBS-C0M0

CHECK VALVE	
Size	2" to 24"
Pressure Class	150, 300, 600 (2" to 12" for Class 900, 1500 & 2500)
Product Name	Swing Type Cast Check Valve
Design According to	API 594, BS 1868
Pressure - Temp Rating	ASME B16.34
Face to Face According to	ASME B16.10
End Connection According to	ASME B16.5, ASME B16.25
Inspection & Testing	API 598, EN 12266-1 & 2
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW & LRF
Design Features	Bolted Cover, Swing Disc, Renewable Seats
Model Number	CSS - C0M0

FORGED GLOBE VALVE	
Size	1/2" to 2"
Pressure Class	150, 300, 600, 800, 900, 1500 & 2500
Product Name	Forged Globe Valve
Design According to	API 602
Pressure - Temp Rating	API 602, ASME B16.34
Face to Face According to	ASME B16.10, Manuacturers Standard
End Connection According to	ASME B16.5, ASME B16.25, ASME B16.11
Inspection & Testing	API 598, EN 12266-1 & 2
Operation	Hand Wheel
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW, LRF, SW & NPT
Design Features	Bolted / Welded Bonnet, Swivel Plug, OS & Y Raising Hand Wheel
Model Number	GBF-F0M0, GBR-F0M0

FORGED GATE VALVE	
Size	1/2" to 2"
Pressure Class	150, 300, 600, 800, 900, 1500 & 2500
Product Name	Forged Gate Valve
Design According to	API 602
Pressure - Temp Rating	API 602, ASME B16.34
Face to Face According to	ASME B16.10, Manuacturers Standard
End Connection According to	ASME B16.5, ASME B16.25, ASME B16.11
Inspection & Testing	API 598, EN 12266-1 & 2
Operation	Hand Wheel
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW, LRF, SW & NPT
Design Features	Bolted / Welded Bonnet, Solid Wedge, OS & Y Raising Stem, Renewable Seat
Model Number	GAF-F0M0, GAR-F0M0

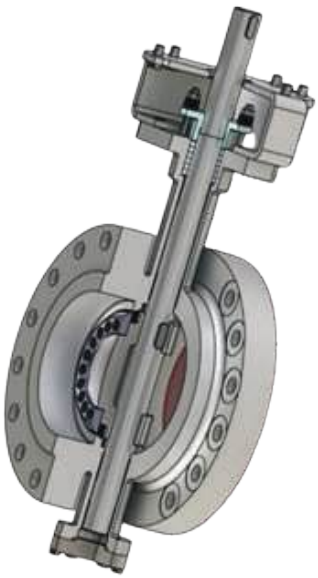
FORGED CHECK VALVE	
Size	1/2" to 2"
Pressure Class	150, 300, 600, 800, 900, 1500 & 2500
Product Name	Forged Lift Check Valve
Design According to	API 602
Pressure - Temp Rating	API 602, ASME B16.34
Face to Face According to	ASME B16.10, Manufacturers Standard
End Connection According to	ASME B16.5, ASME B16.25, ASME B16.11
Inspection & Testing	API 598, EN 12266-1 & 2
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW, LRF, SW & NPT
Design Features	Bolted / Welded Cover, Piston Type
Model Number	CPF-F0M0, CPR-F0M0, CLF-F0M0, CLR-F0M0

DOUBLE BLOCK AND BLEED TRUNNION SIDE ENTRY BALL VALVE	
Size	2" to 12"
Pressure Class	150, 300, 600, 900, 1500 & 2500
Product Name	Trunnion Side Entry Ball Valve - Full Bore / Reduce Bore
Design According to	API 6D, ISO 17292
Pressure - Temp Rating	ASME B16.34
Face to Face According to	Manufacturers Standard
End Connection According to	ASME B16.5, ASME B16.25
Inspection & Testing	API 598, API 6D, EN 12266-1 & 2
Fire Safe	API 607, API 6FA, ISO 10497
Operation	Lever, Gear, Motor, Pneumatic, GOV, Hydraulic, etc.
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW & LRF, Flangeless Compact Design
Design Features	1Pcs or 3Pcs Bolted Body, Soft Seat, Metal Seat, Anti Blow Out Stem, Antistatic Design, Double Block & Bleed, DIB-I & DIB-II Configuration, Self-Relieving, Single / Double Piston Effect, Stem Injection & Seat Sealant Injection, Cavity Relief
Model Number	DTF-C1S0, DTF-C2S0, DTF-C3S0, DTF-C1M0, DTF-C2M0, DTF-C3M0, DTR-C1S0, DTR-C2S0, DTR-C3S0, DTR-C1M0, DTR-C2M0, DTR-C3M0, DTF-F1S0, DTF-F2S0, DTF-F3S0, DTF-F1M0, DTF-F2M0, DTF-F3M0, DTR-F1S0, DTR-F2S0, DTR-F3S0, DTR-F1M0, DTR-F2M0, DTR-F3M0

DOUBLE BLOCK AND BLEED FLOATING BALL VALVE	
Size	1/2" to 6"
Pressure Class	150, 300, 600 (800, 900, 1500, 2500 UP TO 2")
Product Name	Floating Side Entry Ball Valve - Full Bore / Reduce Bore
Design According to	API 6D, ISO 17292
Pressure - Temp Rating	ASME B16.34
Face to Face According to	Manufacturers Standard
End Connection According to	ASME B16.5, ASME B16.25, ASME B16.11
Inspection & Testing	API 598, API 6D, EN 12266-1 & 2
Fire Safe	API 607, API 6FA, ISO 10497
Operation	Lever, Gear, Motor
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	RF, FF, RTJ, BW, LRF, SW, NPT & Nipple Ends
Design Features	1Pc, 2Pcs or 3Pcs Bolted Body, Soft Seat, Metal Seat, Anti Blow Out Stem, Antistatic Design, Cavity Relief
Model Number	DFF-C1S0, DFF-C2S0, DFF-C3S0, DFF-C1M0, DFF-C2M0, DFF-C3M0, DFR-C1S0, DFR-C2S0, DFR-C3S0, DFR-C1M0, DFR-C2M0, DFR-C3M0, DFF-F1S0, DFF-F2S0, DFF-F3S0, DFF-F1M0, DFF-F2M0, DFF-F3M0, DFR-F1S0, DFR-F2S0, DFR-F3S0, DFR-F1M0, DFR-F2M0, DFR-F3M0

CONCENTRIC BUTTERFLY VALVE	
Size	1.5" to 56"
Pressure Class	PN 10, PN16, PN20 & 150
Product Name	Butterfly Concentric Valve
Design According to	API 609 CATEGORY-A, BS EN 593, MESC 77/134
Pressure - Temp Rating	ASME B16.34
Face to Face According to	API 609, ISO 5752, ASME B16.10 & BS EN 558
End Connection According to	ASME B16.5, ASME B16.47 SERIES A & B, AWWA C207
Inspection & Testing	API 598, EN 12266-1 & 2
Fire Safe	–
Operation	Lever, Gear, Motor, Pneumatic, GOV, Hydraulic, etc.
Material	Carbon Steel, Ductile Iron, Gray Cast Iron, Stainless Steel, SDSS, Alloy Steel
Ends	Wafer, Lugged and Double Flanged (Short and Long Pattern) with RF, FF
Design Features	Soft Seat, Anti Blow Out Stem, Antistatic Design, One Piece Shaft, Moulded seat
Model Number	B0S-C0S0

TRIPLE OFFSET BUTTERFLY VALVE	
Size	3" to 56"
Pressure Class	150, 300, 600 (Up to 10”)
Product Name	Butterfly Triple Offset Valve
Design According to	API 609 CATEGORY-B, BS EN 593, MESC 77/134
Pressure - Temp Rating	ASME B16.34
Face to Face According to	API 609, ISO 5752, ASME B16.10 & BS EN 558
End Connection According to	ASME B16.5, ASME B16.47 SERIES A & B, AWWA C207
Inspection & Testing	API 598, EN 12266-1 & 2
Fire Safe	API 607, API 6FA, ISO 10497
Operation	Gear, Motor, Pneumatic, GOV, Hydraulic, etc.
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	Wafer, Lugged and Double Flanged (Short and Long Pattern) with RF, FF, BW
Design Features	Metal Seat, Anti Blow Out Stem, Antistatic Design, Bearing Protector (Optional), Friction free Operation, Disc Spring (Live loading)
Model Number	B3S-C0S0, B3S-C0M0



DUAL PLATE CHECK VALVE	
Size	2" to 36"
Pressure Class	150, 300, 600, (900, 1500, 2500 UP TO 24")
Product Name	Dual Plate Check Valve
Design According to	API 594
Pressure - Temp Rating	ASME B16.34
Face to Face According to	API 594
End Connection According to	ASME B16.5, ASME B16.25
Inspection & Testing	API 598, API 6D, EN 12266-1 & 2
Fire Safe	API 607, API 6FA, ISO 10497
Operation	_
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	Flanged, Wafer, Lug Type
Design Features	Retainer less
Model Number	CDS-C0M0

Y - STRAINER	
Size	2" to 12"
Pressure Class	150, 300, 600, 900
Product Name	Y - Strainer
Design According to	ASME B16.34
Pressure - Temp Rating	ASME B16.34
Face to Face According to	Manufacture Standard / ASME B16.10
End Connection According to	ASME B16.5, ASME B16.25
Inspection & Testing	API 598 (Shell Test)
Fire Safe	API 607, API 6FA, ISO 10497
Operation	_
Material	Carbon Steel, Stainless Steel, SDSS, DSS & Alloy Steel
Ends	Flanged RF, RTJ Type
Design Features	Perforated Mesh Type (Screen type)
Model Number	STS-C000

CLADDING

Cladding is a process that provides protection for metallic components by welding a layer of corrosion-resistant alloy to areas at risk of corrosion and wear exists. It can be applied to an entire component, or only to specific areas of concern.

PURPOSE OF CLADDING:

The main purpose of cladding on components is for corrosion resistance or wear resistance. While most components will have corrosion allowance built into their wall thickness the wastage rate can still be excessive for certain materials such as carbon steels or low alloy steels. Cladding provides a surface protection which then allows the substrate material to provide strength requirements to meet codes and standards.

BENEFITS OF CLADDING:

- Cladding offers superior corrosion and wear resistance properties extending the part life dramatically and reducing the risk of corrosion and wear exists.
- Another very important consideration is the dilution of the clad layer by the substrate material, as dilution can have a dramatic effect on the corrosion resistance of the cladding.
- And improve the life span of material and reducing the maintenance & shutdown operations in working severe conditions.
- Fully cladding a carbon steel component with alloy 625, as opposed to producing it in solid alloy 625, can reduce costs by as much as 50 to 60%.

CLADDING PROCESS & CAPACITY:

Samamat Flow Control L.L.C. has the capacity to process from 4" to 36" Flanges and Valves.
Maximum Bore Depth: up to 600mm
Weldable Bore Dia.: 800mm
Welding Speed: 340 to 450mm/min.
Deposition Rate: 1.7 to 2.5kg/hr

The process is usually applied to increase the availability work sources for Gas Metal Arc Welding (GMAW) & Gas Tungsten Arc Welding (GTAW) cladding of the walls with metal alloys that are more resistant to wear.

HOW CLADDING WILL IMPROVE QUALITY OF COMPONENTS:

- Unusual alloy castings can include sub-surface defects, Cladding the surface produces a very high-Quality layer with minimal imperfections.

- Cladding process that builds up the corrosion resistant alloy (CRA) layer of 1.5 to 3 mm on the welded parts of flange and Valve. It protects the piping system's integrity and provides a low cost and long-term solution.

- A full range of NDT provides reassurance of quality.


GLOBAL

FACILITY DETAILS

SL.NO.	MACHINE NAME	MACHINE TYPE	QUANTITY
1	Horizontal Turning Center	CNC	2 No's.
2	Horizontal Turning Mill Center	CNC	1 No.
3	Vertical Machining Center	CNC	2 No's.
4	Vertical Turning Lathe	CNC	2 No's.
5	Surface Grinding Machine	Semi-Automatic	1 No.
6	Radial Drilling Machine	Manual	1 No.
7	Pillar Drilling Machine	Manual	1 No.
8	Heavy Duty Lathe	Manual	3 No's.
9	Medium Duty Lathe	Manual	3 No's
10	Light Duty Lathe	Manual	3 No's.
11	Universal Milling Machine	Manual	2 No's.
12	Band Saw Cutting Machine	Semi-Automatic	2 No's.
13	Horizontal Boring Machine	Manual	1 No.
14	Vertical Slotting Machine	Manual	2 No's.
15	Thread Cutting Machine	Manual	2 No's.
16	Air Compressor	Automatic	2 No's.
17	MIG Welding Machine	Semi-Automatic & Manual	3 No's.
18	TIG Welding Machine	Manual	2 No's.
19	ARC Welding Machine	Manual	1 No.
20	Vertical Hydro Testing Machine	Manual	2 No's.
21	Horizontal Hydro Testing Machine	Manual	2 No's.
22	Mobile Hydro Testing Machine	Manual	1 No.
23	Wedge Lapping Machine	Manual	1 No.
24	Body Lapping Machine 2" - 12"	Manual	1 No.
25	Body Lapping Machine 14" - 24"	Manual	1 No.
26	Marking Machine	Manual	1 No.
27	A Frame Crane	6 Tons	1 No.
28	A Frame Crane	3 Tons	3 No's.


OKUMA OSP-P300L-R
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PROGRAM SELECT
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TRACE/ MATERIAL
MATERIAL DRAWING
CLEAR
AUTO SCALE
SCALE DOWN
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F2
F3
F4
F5
F6
F7
F8


SFC-MWM-001

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