



MANAR AL-AMAL

— TRADING CO. —

INDUSTRIAL PRODUCTS CATALOG 2026

كتالوج المنتجات الصناعية

PIPES | VALVES | STEAM SYSTEMS

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SHOWROOM: AL-BALADIYAH ST. | WAREHOUSES: KILO 13, UMM AL-SALAM, ABDULLAH IBN MAKTOUM ST.



WELDED STAINLESS STEEL PIPES

أنابيب ستانلس ستيل ملحومة

Large product photographs - Taiwanese welded pipe supply references



WELDED STAINLESS PIPE - MILL MARKING

FROCH / TAIWAN

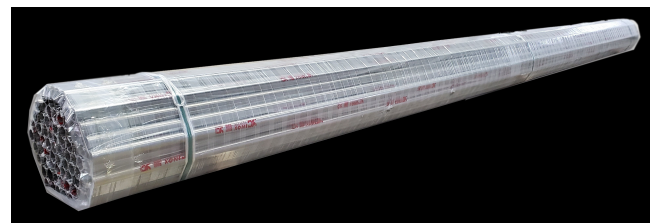
304 / 304L / 316 / 316L - mill marking and heat traceability by quotation



WELDED PIPE ENDS

FROCH / TAIWAN

Round tube and industrial pipe supply



WELDED PIPE BUNDLES

YC INOX / TAIWAN

Protected bundles for shipment and storage



WELDED & SEAMLESS PIPE SUPPLY توريد الأنابيب الملحومة والسيملس

Second photo page - manufacturer references requested for welded and seamless ranges



PRODUCT LINES

Ta Chen international is a world leading supplier of stainless steel, aluminum and duplex products. With eight locations nationwide, offering same and next day service, Ta Chen provide access to one of the most complete inventories of pipe, tube, sheet, plate, bar, fittings, and valves in the metals industry.

STAINLESS STEEL PIPE & TUBE RANGE

TA CHEN / TAIWAN

Published product-line reference for pipe, tube, fittings and valves



SEAMLESS / CRA PIPE

JIULI / CHINA

Seamless stainless and corrosion-resistant alloy pipe reference



PIPE PRODUCTION VIEW

FROCH / TAIWAN

Industrial production and finishing reference

SUPPLY RANGE

Grades: 304 / 304L / 316 / 316L | Welded and seamless | Standard length: 6 m

Schedules: SCH 5S / 10S / 40S / 80S | MTC, PMI, NDT and hydro test by project RFQ

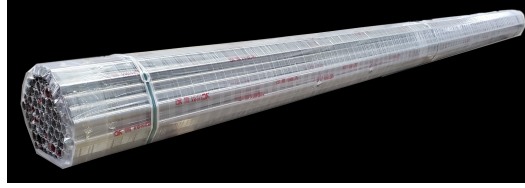
Final mill, origin, standard and Saudi project compliance are confirmed on the approved quotation.



PIPE SIZE & WALL THICKNESS

مقاسات وسمكات الأنابيب

The dimensional table is placed immediately after, and directly beneath, the two pipe photo pages



ASME B36.19 REFERENCE DIMENSIONS - mm

Confirm the selected mill table and tolerance with the final quotation

NPS	OD mm	SCH 5S	SCH 10S	SCH 40S	SCH 80S
1/2	21.3	1.65	2.11	2.77	3.73
3/4	26.7	1.65	2.11	2.87	3.91
1	33.4	1.65	2.77	3.38	4.55
1-1/4	42.2	1.65	2.77	3.56	4.85
1-1/2	48.3	1.65	2.77	3.68	5.08
2	60.3	1.65	2.77	3.91	5.54
2-1/2	73.0	2.11	3.05	5.16	7.01
3	88.9	2.11	3.05	5.49	7.62
3-1/2	101.6	2.11	3.05	5.74	8.08
4	114.3	2.11	3.05	6.02	8.56
5	141.3	2.77	3.40	6.55	9.53
6	168.3	2.77	3.40	7.11	10.97
8	219.1	2.77	3.76	8.18	12.70
10	273.1	3.40	4.19	9.27	12.70
12	323.9	3.96	4.57	9.53	12.70

SPECIFICATION SUMMARY

Material: ASTM A312 TP304/304L/316/316L - selected welded or seamless construction

Welded options may also be quoted to ASTM A358 / A778; dimensions to ASME B36.19

Standard supply length: 6 m - plain or bevelled ends according to size and project request

Quality documents: MTC by heat/size; PMI, NDT and hydro test when specified in the RFQ

The schedule values above are reference dimensions; the approved mill data sheet governs supply.



A106 GR.B SEAMLESS STEAM PIPE

مواسير صلب سيملس للبخار

Carbon-steel pressure pipe for steam and industrial process service - final engineering selection by project data



SEAMLESS PIPE BUNDLES

BLACK / VARNISHED



HEAVY-WALL PIPE

SCH 80 +



PROCESS PIPELINE

STEAM / OIL & GAS

MATERIAL	SIZE RANGE	SCHEDULE	LENGTH
ASTM A106 GR.B SEAMLESS	1/2-20 in	SCH 20 / 40 / 80 +	6 m / 12 m

ASME B36.10 REFERENCE WALL THICKNESS - mm

Published product range extends to 20 in; table below shows 1/2-14 in

NPS in	OD mm	SCH 40 mm	SCH 80 mm
1/2	21.3	2.77	3.73
3/4	26.7	2.87	3.91
1	33.4	3.38	4.55
1-1/4	42.2	3.56	4.85
1-1/2	48.3	3.68	5.08
2	60.3	3.91	5.54
2-1/2	73.0	5.16	7.01
3	88.9	5.49	7.62
3-1/2	101.6	5.74	8.08
4	114.3	6.02	8.56
5	141.3	6.55	9.53
6	168.3	7.11	10.97
8	219.1	8.18	12.70
10	273.0	9.27	15.09
12	323.8	10.31	17.48
14	355.6	11.13	19.05

STEAM / PRESSURE SELECTION NOTE

Schedule identifies a wall-thickness series; it is not a pressure class or a fixed steam pressure rating.

Allowable pressure depends on NPS, actual wall, temperature, joint factor, corrosion allowance and piping code.

RFQ and MTC must state ASTM A106 Gr.B; pipe ends, NDT, hydro test and coating are confirmed per project.

Reference dimensions were cross-checked against an A106 / ANSI B36.10 manufacturer table; approved data governs.



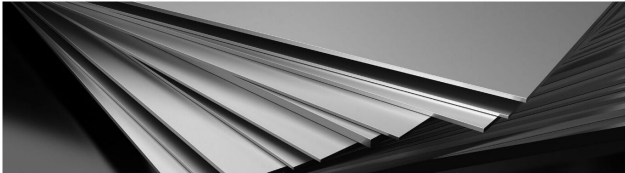
STAINLESS STEEL SHEETS & TUBES

Plain, finished and perforated sheets with polished hollow sections on one concise product page

صاج مثقب ومربعات وتيوب ستانلس

STAINLESS STEEL SHEETS

ألواح وصاج ستانلس



0.3-20 mm THICKNESS

304/304L, 316/316L, 310/310S, 202

410 / 420 / 430 / 440 by selected grade

Special dimensions can be quoted by RFQ

MIRROR & BRUSHED SHEETS

صاج مرابا ومصنفر



SURFACE FINISH OPTIONS

2B / satin / brushed / mirror / pattern

PVC-protected finish where requested

Finish sample and direction confirmed before order

WELDED SQUARE TUBE

مربعات ستانلس ملحومة



ASTM A554 MT304 POLISHED

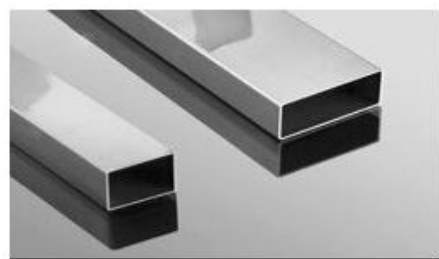
Decorative / fabrication / industrial applications

Width x height x wall thickness by approved RFQ

Grade, polish grit and length confirmed on offer

WELDED RECTANGULAR TUBE

تيوب مستطيل ستانلس



ASTM A554 MT304 POLISHED

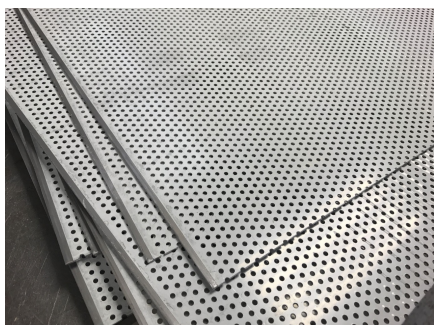
Rectangular hollow section for fabrication work

Width x height x wall thickness by approved RFQ

Protective wrapping available by ordered finish

PERFORATED STAINLESS STEEL SHEET

صاج ستانلس مثقب



MATERIAL / STANDARD	ASTM A240/A480 304/304L, 316/316L 2B
THICKNESS / HOLES	0.4-6.0 mm common round holes 3-15 mm
SHEET SIZES	1000x2000 1250x2500 1500x3000 mm
PATTERN / OPEN AREA	Round, square or slot straight/staggered 19-63%

Special hole, pitch, open area, border and sheet size are supplied by approved RFQ/drawing.



HIGH-TEMPERATURE SEALING PRODUCTS

خيط نار وألواح جوان حرارية

Graphite gland packing, ceramic-fibre fire rope and wire-mesh reinforced graphite sheet

BRAIDED GRAPHITE GLAND PACKING

حشوة جرافيت مصغرة للصمامات والمضخات



CONSTRUCTION

Expanded graphite + carbon reinforcement

TEMPERATURE

-240 to +450 C | steam to +650 C

PRESSURE

300 bar static | 30 rotating | 200 reciprocating

SQUARE SIZES

3.2-25.4 mm | 1/8-1 in

CHEMICAL RANGE

pH 0-14; exclude strong oxidisers

CERAMIC-FIBRE FIRE ROPE

حبل سيراميك مقاوم للنار



MATERIAL

Ceramic-fibre yarn; glass/SS-wire reinforced options

TEMPERATURE

Continuous/classification rating up to 1260 C

SIZE RANGE

Round/square 4-60 mm | typical roll 25 m

APPLICATION

Oven, boiler and furnace doors; static thermal seals

WIRE-REINFORCED GRAPHITE SHEET

لوح جرافيت بشبك سنانيس داخلي



CONSTRUCTION

Flexible graphite laminated with 316SS wire mesh

TEMPERATURE

-268 to +454 C

PRESSURE

Maximum reference rating: 138 bar

SHEET / THICKNESS

Approx. 1500x1500 mm | 0.8/1.5/2.0/4.8 mm



STEAM VALVES & REGULATORS

محابس ومنظمات البخار

ARI isolation, regulation, safety and pipeline protection on one visual page



ARI FABA PLUS

DN15-300

PN16 / PN25 / PN40



ARI ANGLE STOP

DN15-300

PN16 / PN25 / PN40



ARI PREDU

DN15-150

PN16 / PN25 / PN40



ARI SAFE

Size by required certified capacity

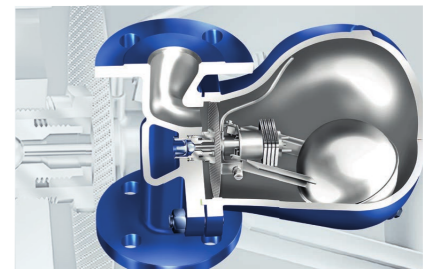
Set pressure by approved sizing



PREDU P / TEMPTROL

DN15-50 / DN15-100

PN16 / PN25 / PN40



ARI CONA S

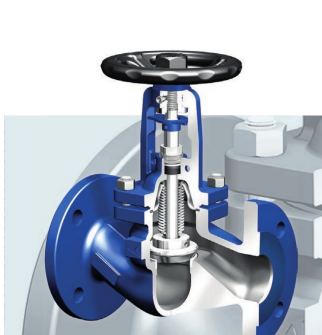
Ball-float steam trap

Size and pressure by selected figure



ARI CUTAWAYS & TECHNICAL DATA صور اري المقطعية والمواصفات

Official ARI brochure imagery and published family data - kept separate from the real product photographs



ARI FABA PLUS

صمام عزل محكم ببلوز معدني

SIZE / المقاسات	DN 15-400
PRESSURE / الضغط	PN 16-40; ANSI Class 150 / 300
MATERIAL / الخامات	Cast iron / ductile iron / steel / stainless
ENDS / التوصليل	Flanged / butt-weld / socket-weld / threaded
DESIGN / التصميم	DIN EN and ASME/ANSI bellows-sealed stop valve



ARI PREDU

منظم ضغط ذاتي التشغيل

SERVICE / الوسط	Steam / vapours / neutral gases / liquids
SIZE / المقاسات	DN 15-150; 1-6 in
PRESSURE / الضغط	PN 16 / 25 / 40; ANSI Class 150 / 300
SET RANGE / نطاق الضبط	0.2-16 bar(g) downstream pressure
MATERIAL / الخامات	EN-JL1040 / EN-JS1049 / WCB / CF8M



ARI SAFE

صمام امان

SIZE / المقاسات	DN 15-250
PRESSURE / الضغط	PN 16-100
SET RANGE / ضغط الضبط	0.2-100 bar
TEMPERATURE / الحرارة	-60 to +450 C, depending on body material
STANDARDS / المعايير	DIN EN ISO 4126 / AD 2000-A2

SELECTION NOTE / ملاحظة الاختيار

Published ranges describe ARI product families. Final figure, pressure-temperature rating and capacity are confirmed by approved data sheet.

يعتمد الموديل النهائي والسعة وضغط الضبط على الداتا شيت وعرض المعتمد.



STEAM TRAPS - MODEL GUIDE

مصابيد البخار - دليل الموديلات

Large product views and the limits needed for fast selection



DSC 680-686F

Cast-steel inverted bucket



DSC 980 / 990 / 40

Cast-iron inverted bucket



DSC F22 / F22F

Rotating-body F&T



DSC FS / FSH

Cast-steel F&T



DSC FSS5 / FSS5F

SS316 F&T



DSC D50

Thermodynamic disc

MODEL	TYPE / BODY	PRESSURE	MAX TEMP
980 / 990 / 40	Cast iron IB	up to 17 kgf/cm ²	230 C
680-686F	Cast steel IB	up to 41 kgf/cm ²	320 C
F2-F12F	Ductile iron F&T	12.5-17 kgf/cm ²	230 C
F22 / F22F	Rotating F&T	15-20 kgf/cm ²	230 C
FS / FSH	Cast steel F&T	up to 32 kgf/cm ²	320 C
FSS5 / FSS5F	SS316 F&T	up to 30 kgf/cm ²	320 C
D50	Thermodynamic	17 kgf/cm ²	220 C



BELLOWS STOP & BALL VALVES

محابس بلوز ويل فالف

Official Spirax Sarco product photographs - compact visual range with no repeated specification pages

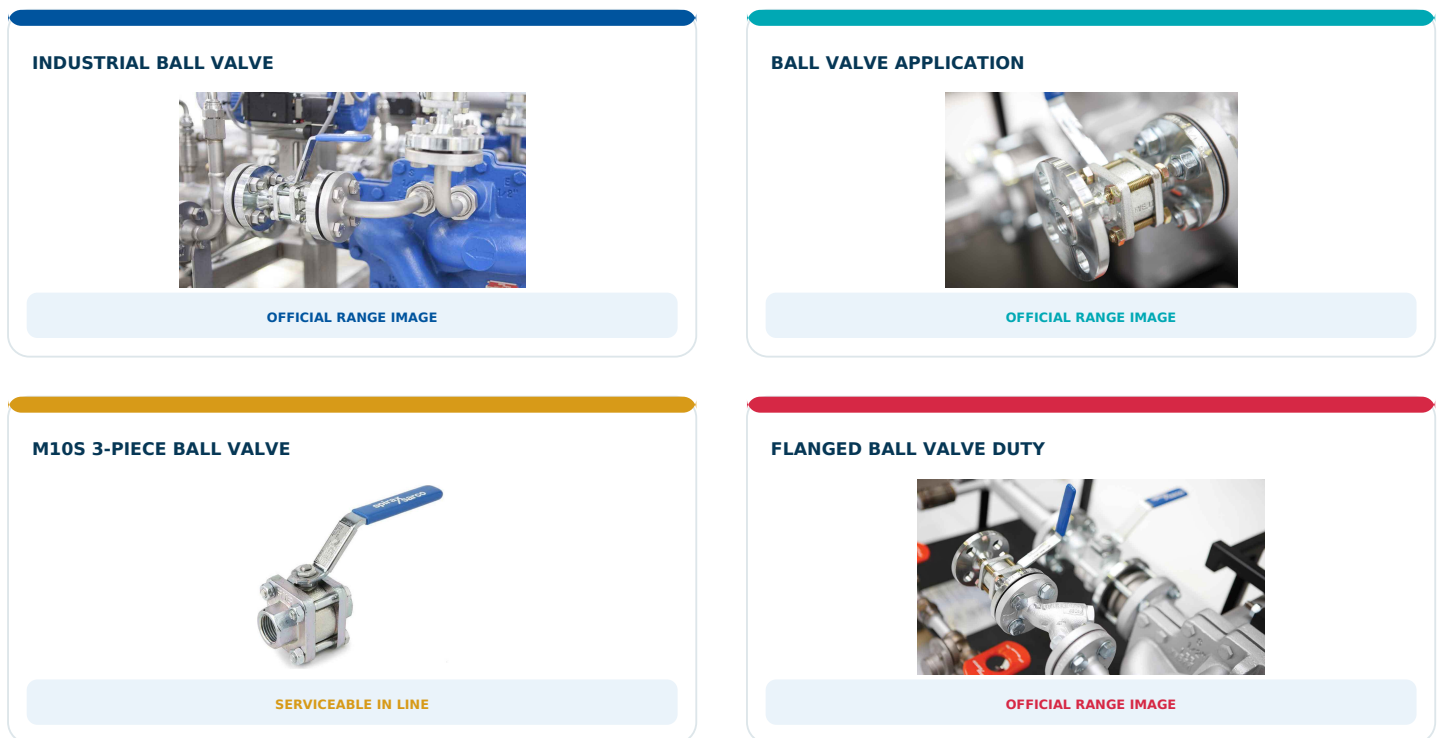
A3S / A3SS BELLOWS-SEALED STOP VALVES

محابس إيقاف بلوز محكم



SPIRAX SARCO BALL VALVE RANGE

مجموعة البل فالف



الصور الرسمية للمجموعة / VISUAL RANGE

A3S/A3SS: forged carbon-steel bellows stop valve | M10S/M31S: stainless or carbon-steel ball-valve families

Exact size, connection, actuator and pressure-temperature selection follow the model data sheet and approved RFQ.



STEAM PRESSURE, AIR & ISOLATION تحكم ضغط البخار والهواء والعزل

Official pressure-control and compressed-air images plus a clearly identified gate-valve technical reference

STEAM PRESSURE CONTROL RANGE

منظمات ونحكم ضغط البخار

DP27E PILOT-OPERATED PRV



STEAM + REMOTE SHUT-OFF

BRV71 / BRV73 PRV



DIRECT-ACTING STEAM

SDP143 SURPLUSSING VALVE



BACK-PRESSURE CONTROL

SRV25 STAINLESS PRV



STEAM / COMPRESSED AIR

COMPRESSED AIR & GATE-VALVE REFERENCE

منظم الهواء ومرجع الجيت فالف

MPC2 AIR FILTER / REGULATOR

COMPRESSED AIR



FILTER + PRESSURE CONTROL + GAUGE

WEDGE GATE VALVE DIAGRAM

REFERENCE ONLY

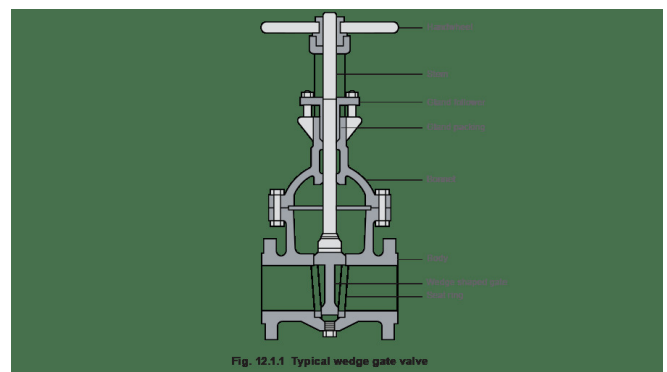


Fig. 12.1.1 Typical wedge gate valve

TECHNICAL REFERENCE - MODEL NOT CONFIRMED

IMPORTANT PRODUCT IDENTIFICATION NOTE

The wedge gate illustration is an official Spirax Sarco educational reference, not a confirmed current sales model.

Gate-valve manufacturer, model, size, class and materials must therefore be confirmed separately on the approved RFQ.

BELLOWS STOP & BALL VALVE DATA

مواصفات البلوز والبل فالف

Condensed official size, material, pressure and temperature data for the illustrated valve families

A3S / A3SS BELLOWS-SEALED STOP VALVES

محابس بلوز محكمة - كلاس ٨٠٠

SIZE RANGE	PRESSURE CLASS	PMA	TMA
1/2-2 in	CLASS 800	136 barg	425 C

SIZE & DIMENSION TABLE - mm / kg

NPS in	A mm	B OPEN mm	C mm	WEIGHT kg	Kv
1/2	80	136	70	1.7	1.3
3/4	90	144	90	2.3	3.2
1	110	167	110	3.6	5.8
1-1/4	127	194	110	5.9	9.0
1-1/2	155	220	130	8.5	17.0
2	170	230	180	11.6	19.2

BODY / BONNET ASTM A105N | BELLOWS TYPE 321 SS | A3S DISC 410 SS | A3SS DISC 410 SS + STELLITE 6

BSP / NPT / socket-weld ends | Max operating 99 barg @ 360 C | Extended-life bellows option: 40 barg @ 400 C

M10S & M31S BALL VALVE SELECTION

مقاسات وضغط البل فالف

FAMILY	SIZE / BORE	CONNECTIONS	BODY	PRESSURE / TEMP
M10S FULL BORE	1/4 to 2 in	BSP / BSPT / NPT SW / BW Flanged DN15-50	A105 carbon steel or F316L stainless	PMA 100 barg @ 60 C Steam PMO 17.5 barg TMA 260 C
M10S REDUCED BORE	1/2 to 2-1/2 in	BSP / BSPT / NPT SW / BW Flanged DN15-65	A105 carbon steel or F316L stainless	PMA 100 barg @ 60 C Steam PMO 17.5 barg TMA 260 C
M31S FULL BORE	2 to 8 in	ASME 150 / 300 Flanged ISO 5211 pad	WCB carbon steel or CF8M stainless	PMA 20 / 51 barg @ 38 C Steam PMO 17.5 barg TMO 260 C

CONSTRUCTION & APPLICATION NOTES

M10S: three-piece, in-line serviceable screwed/welded ball valve; intended for isolation, not throttling.

M10S trim: 316 stainless ball/stem with carbon/graphite-reinforced PTFE seats.

M31S: full-bore flanged isolation valve, manual or actuator-ready; 316 stainless ball/stem with R-PTFE seats.

A3S/A3SS standards include ISO 15761 bellows fatigue and API 598 / DIN 3230 seat-leakage requirements.

Final pressure-temperature rating follows selected material, end connection, valve model and approved data sheet.

STEAM & AIR CONTROL DATA

منظمات البخار والهواء

Compact model-by-model selection table - pressure, temperature, connection and control ranges

MODEL	FUNCTION	SIZE	CONNECTION	CONTROL RANGE	MAXIMUM LIMITS
DP27 FAMILY	Pilot-operated pressure reducing	DN15LC-50	BSPT / NPT PN16 / PN25 ASME 150 / 300*	Outlet 0.2-17 barg Y/GY: 0.2-3 barg	Steam 17 barg / 232 C E: 10 barg / 190 C Gas: 25 barg / 120 C
BRV71 / 73	Direct-acting steam PRV	DN25-50	BSP / NPT PN16 / JIS 10 ASME 150	Outlet 0.14-9 barg 3 spring ranges	PN16 Steam PMO 10 Tmax 184 C
SDP143	Surplussing / back-pressure	DN15LC-80	PN40 / ASME 300 ASME 150 BS10 Table J	Upstream 0.2-17 or 16-24 barg	PN40 26 barg 300 C @ 26 bar
SRV25	316L direct-acting steam / air PRV	DN15-25	BSP / NPT PN25 / ASME 150	Outlet 0.14-8.6 barg 3 spring ranges	Steam 19 barg 212 C @ 19 bar
MPC2	Compressed-air filter / regulator	1/4 in	1/4 in OD tube	Outlet 0-100 psig 0-6.9 barg	Inlet up to 150 psig 0.01 micron filtration Derate with temperature

*DP27 ASME 300 availability is size-dependent; ASME 150 is available on request. Final pressure-temperature limits follow the selected variant.

DIRECT-ACTING

BRV71/73 + SRV25

Compact downstream-pressure control

PILOT-OPERATED

DP27 FAMILY

Higher-capacity accurate reduction

SURPLUSSING

SDP143

Controls upstream / back pressure

MPC2 COMPRESSED-AIR FILTER / REGULATOR

High-efficiency air preparation with pressure gauge included; regulator outlet range 0-100 psig / 0-6.9 barg.

Published performance: 100% water removal at line temperature, solids to 0.01 micron and oil aerosol to 0.01 mg/m3.

Maximum inlet pressure is temperature-dependent; confirm ambient, line temperature and polycarbonate-bowl compatibility.

GATE VALVE - TECHNICAL REFERENCE ONLY / جيت فالف - مرجع فني فقط

A wedge gate valve is for fully open / fully closed isolation with low pressure drop; it is not recommended for throttling.

No current Spirax sales model, size or class is confirmed on the linked page; final manufacturer and model follow the RFQ.



STEAM | CONDENSATE | HOT WATER

CLASS 125

2-16 IN*

FLANGED

CAST-IRON CLASS 125 VALVES

Gate, globe and check designs in ASTM A126 Class B cast iron



TAIWAN-HEADQUARTERED VALVE MANUFACTURER | EST. 1981

MANAR AL-AMAL PRODUCT CATALOGUE | BRAND SHOWN BY REQUEST

SERIES 550

NON-RISING GATE



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size / class	2-16 in Class 125
Construction	ASTM A126 Class B; bolted bonnet; non-rising stem
Ends	Flanged to ASME / ANSI B16.1
Standard	MSS SP-70; face-to-face ASME B16.10
Duty	Compact on/off isolation for steam / water utilities*

SERIES 553

OS&Y GATE



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size / class	2-16 in datasheet Class 125
Website listing	Product page lists availability to 24 in; confirm above 16 in
Construction	ASTM A126 Class B; bolted bonnet; OS&Y; rising stem
Standard	ASME B16.1 / B16.10; MSS SP-70
Duty	Visible-stem isolation for steam / hot-water utilities*

SERIES 560

GLOBE VALVE



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size / class	2-12 in datasheet Class 125
Website listing	Product page lists availability to 16 in; confirm above 12 in
Construction	ASTM A126 Class B; bolted bonnet; bronze trim parts
Standard	ASME B16.1 / B16.10; MSS SP-85
Duty	Throttling and shut-off for low-pressure steam / water*

SERIES 570

SWING CHECK



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size / class	2-12 in datasheet Class 125
Website listing	Product page lists availability to 24 in; confirm above 12 in
Construction	ASTM A126 Class B; bolted cover; metal-to-metal seat
Standard	ASME B16.1 / B16.10; MSS SP-71
Duty	Automatic non-return on steam, condensate and water lines*

CAST-IRON FAMILY: GATE / GLOBE / CHECK. STEAM BALL VALVE: USE APPROVED WCB OR STAINLESS BODY + SEAT/RATING.

مجموعة الزهر: جيت وجلوب وتشيك. بل فالف البخار بختار كربون ستيل أو ستانلس مع سبت وتصيف معتمدين.



THREADED / SW | HIGH-PRESSURE RANGE

NPT / SW

API 607

NACE

STAINLESS & CARBON BALL VALVES

Four key product families with published sizes, pressures, materials and standards



FORTUNE / FUSION BRANDED PRODUCT SELECTION

MANAR AL-AMAL PRODUCT CATALOGUE | BRAND SHOWN BY REQUEST

SERIES 322

TWO-PIECE FULL PORT



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size / rating	1/4-2 in: 2000 WOG 2 1/2-3 in: 1500 WOG
Materials	WCB, LCC or stainless body; stainless trim
Ends / port	NPT; full port
Standards	ASME B16.34; API 608; API 607 fire-safe
Service	Oil, gas and process isolation; NACE option

SERIES 333

CLASS 1500



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size	Full port 1/4-2 in; regular port 1, 2 and 3 in
Rating	Class 1500 / 3705 WOG (255.5 bar reference)
Materials	WCB, LCC or stainless body; stainless trim
Ends	NPT, SW or SW x NPT
Standards	ASME B16.34; API 598; API 607; NACE

SERIES 334

3000-6000 WOG



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size	Full port 1/4-2 in; regular port 3/4-3 in
Rating	3000 / 4000 / 6000 WOG; flanged Class 600-2500
Materials	Stainless, low-temperature NACE or WCB; SS trim
Ends	NPT, SW, combination or flanged
Standards	ASME B16.34; API 598 / 607 / 641; NACE

SERIES 336 / 436

THREE-PIECE FOUR-BOLT



FORTUNE / FUSION PRODUCT

SPEC	PUBLISHED DATA
Size / rating	1/4-2 in: 2000 WOG 2 1/2-3 in: 1500 WOG
Materials	336 stainless body; 436 WCB body; SS trim
Ends / port	NPT, SW or combination; full port
Standard	MSS SP-110; NACE MR0175 / ISO 15156
Service	Maintainable three-piece process isolation



WCB / A105 STANDARD | LCC / LF2 / F316 OPTIONS

CL 150-600

CLASS 800

API 600 / 602

CAST & FORGED STEEL VALVES

Isolation, throttling and non-return valves for oil, gas, steam and process service



TAIWAN-HEADQUARTERED VALVE MANUFACTURER | EST. 1981

MANAR AL-AMAL PRODUCT CATALOGUE | BRAND SHOWN BY REQUEST

CAST STEEL SERIES 751 / 761 / 771

2-12 IN | ASME CLASS 150-600



751 GATE | ISOLATION



761 GLOBE | CONTROL



771 CHECK | NON-RETURN

SERIES	FUNCTION	SIZE	CLASS	STANDARD BODY	DESIGN / MATERIAL OPTIONS
751	Gate isolation	2-12 in	150 / 300 / 600	ASTM A216 WCB	OS&Y; bolted bonnet; API 600; LCC / CF8M options
761	Globe control	2-12 in	150 / 300 / 600	ASTM A216 WCB	Bolted bonnet; API 600 family; LCC / CF8M options
771	Swing check	2-12 in	150 / 300 / 600	ASTM A216 WCB	Bolted cover; API 594 family; LCC / CF8M options

FORGED STEEL SERIES 850 / 860 / 870 / 875

1/2-2 IN | ASME CLASS 800



850 GATE



860 GLOBE



870 LIFT CHECK



875 SWING CHECK

SERIES	FUNCTION	SIZE	PORT / ENDS	BODY / TRIM	PUBLISHED STANDARD
850	Gate isolation	1/2-2 in	Standard port; NPT / SW	A105; LF2 / F316 option; half-Stellite trim	API 602; bolted bonnet; OS&Y;
860	Globe control	1/2-2 in	Standard port; NPT / SW	A105; LF2 / F316 option; half-Stellite trim	API 602; bolted bonnet
870	Piston lift check	1/2-2 in	Standard port; NPT / SW	A105; LF2 / F316 option; half-Stellite trim	API 602; bolted cover
875	Swing check	1/2-2 in	Standard port; NPT / SW	A105; LF2 / F316 option; half-Stellite trim	API 602; bolted cover

Standard forged construction is A105 Class 800. LF2, F316 and other alloy bodies are order options; confirm the exact figure, trim and pressure-temperature rating.

Gate = on/off isolation | Globe = throttling | Check = automatic backflow prevention.



POTABLE WATER | SEAWATER | DESALINATION | UTILITIES

PN10

PN16

PN25

BRONZE & COPPER-ALLOY VALVES

Published materials, pressure designations, standards, types and service applications

PUBLISHED WATER-SECTOR RANGE

PN10 10 BAR / 145 PSI | PN16 16 BAR / 232 PSI | PN25 25 BAR / 363 PSI | CLASS 125 / 150 / 250 | UP TO 56 IN*

GATE VALVE

ISOLATION



ITEM	PUBLISHED SELECTION DATA
Use	Water transmission/distribution isolation
Variants	Rising/non-rising; solid/flexible/resilient wedge
Pressure	PN10/16/25 or CI 125/150/250*
Material	Bronze / NAB / cast or ductile iron
Standard	EN 1171; API 600/602 as applicable

GLOBE VALVE

FLOW CONTROL



ITEM	PUBLISHED SELECTION DATA
Use	Throttling, regulation and flow control
Variants	Straight, angle and Y pattern
Pressure	PN10/16/25 or CI 125/150/250*
Material	Bronze / NAB / cast or ductile iron
Standard	EN 558; API/ISO as applicable

CHECK VALVE

NON-RETURN



ITEM	PUBLISHED SELECTION DATA
Use	Backflow prevention and pump protection
Variants	Swing, dual-plate, lift, tilting disc
Pressure	PN10/16/25 or CI 125/150/250*
Material	Bronze / NAB / cast or ductile iron
Standard	API 598 / ISO 5208 / EN 12266 test

BALL VALVE

TIGHT SHUT-OFF



ITEM	PUBLISHED SELECTION DATA
Use	Quarter-turn on/off water isolation
Variants	Floating/trunnion; full/reduced bore
Pressure	PN10/16/25 or CI 125/150/250*
Material	Bronze / NAB / stainless trim options
Standard	API 608; API 598 / ISO 5208 test

BUTTERFLY VALVE

LARGE DIAMETER



ITEM	PUBLISHED SELECTION DATA
Use	Compact isolation for large water pipelines
Variants	Concentric/double-offset; wafer/lug/flanged
Pressure	PN10/16/25 or CI 125/150/250*
Material	NAB / cast iron / ductile iron
Standard	EN 593 / EN 558; EN 12266 test

MATERIAL SERVICE GUIDE

Bronze: potable/general water and common small-bore duty | NAB: seawater, desalination, marine, erosion/cavitation resistance

Cast/ductile iron: economical large-diameter municipal duty | *Exact size and pressure availability depends on valve type and material.



STAINLESS CLASS 800 VALVE RANGE محابس ستانلس ستيل كلاس ٨٠٠

Gate, globe, check and ball valves - photographs, size ranges and pressure references on one page

GATE VALVE

جيت فالف



ON/OFF ISOLATION

Sizes: std. 1/2-2 in | full 1/4-2 in*

Ends: NPT / SW | API 602

F304/F316/F304L/F316L by figure and MTC

GLOBE VALVE

جلوب فالف



COMPLETE VALVE

THROTTLING AND SHUT-OFF

Sizes: std. 1/2-2 in | full 1/4-2 in*

T / angle / Y pattern | NPT / SW | API 602

F304/F316/F304L/F316L by figure and MTC

CHECK VALVE

تشيك فالف



COMPLETE VALVE

AUTOMATIC NON-RETURN

Sizes: std. 1/2-2 in | full 1/4-2 in*

Piston / swing / ball type | API 602

F304/F316/F304L/F316L by figure and MTC

BALL VALVE

بل فالف



QUARTER-TURN ISOLATION

Sizes: regular 1/2-2 in | full 1/4-2 in

NPT / SW | API 608 / ISO 17292

Stainless body/trim and seat by ordered figure

CLASS 800 MATERIAL / PRESSURE REFERENCE

VALUES AT 100 F / 38 C - RATING REDUCES AS TEMPERATURE RISES

FORGED F304 / F316

1,920 PSI

132.4 BAR

LOW-CARBON SERIES REF.

1,600 PSI

110.3 BAR

COMPACT BALL SERIES REF.

2,000 PSI

138.0 BAR

*Full-port availability depends on the exact figure, port and end connection. Class 800 is not 800 PSI.

Final working pressure for steam/hot service follows body grade, seat, temperature, nameplate, MTC and approved data sheet.



ELECTRIC ACTUATED VALVE RANGE

محابس تفتح وتقفل كهربائيا

Automatic ON/OFF, positioning and modulating control for industrial, water and steam service

ELECTRIC BALL VALVE

بل فالف كهربائي

FLOWX | FP2003 / Q41F-16C DN50



DN50 SAMPLE | PN16 / ANSI 150 / JIS 10K

Full-port WCB or SS304/304L/316/316L body

Anti-static + blowout-proof stem | API 607 tested

ON/OFF; modulating control by selected actuator

ELECTRIC BUTTERFLY VALVE

بترفلاي فالف كهربائي

FLOWX | ELECTRIC WAFER SERIES



DN25-DN1200 | PN6 / PN10 / PN16 | ANSI 150

Ductile iron / WCB / SS body; seat by medium

AC 24/220/230/380 V or DC 12/24 V by model

Manual override + indicator | ON/OFF / modulating

ELECTRIC GLOBE / CONTROL

جلوب كنترول كهربائي

ARI STEVI VARIO + PREMIO PLUS 2G



DN15-DN100 (1/2-4 in) | PN16-40 / ANSI 150

Water / steam / gases | temperature by series

3-point or 4-20 mA / 0-10 V positioning control

Cast iron / SG iron / WCB / CF8M body options

MULTI-TURN GATE VALVE DUTY

مشغل كهربائي للجبب فالف

AUMA SA MULTI-TURN ELECTRIC ACTUATOR



GATE / GLOBE DUTY | 10-32,000 Nm | 4-180 rpm

IP68 | -30 to +70 C | manual handwheel

Open-close / positioning | 1ph / 3ph AC or DC

Valve DN, class and body selected separately by RFQ

CONTROL OPTIONS

خيارات التحكم والتشغيل

ON / OFF

OPEN-CLOSE

3-POINT

POSITIONING

4-20 mA / 0-10 V

MODULATING

RFQ DATA REQUIRED

Valve type + DN/NPS + pressure class + body/trim/seat + medium + temperature + differential pressure

Power supply/phase + control signal + operating time + fail position + IP/Ex enclosure + certificates

Actuator torque/thrust is sized from the selected valve and service conditions with an approved safety factor.

Final voltage, dimensions, pressure/temperature rating and Saudi project compliance follow the approved data sheet.



BUTTERFLY, SANITARY & KNIFE VALVES

محابس فراشة وصحية وسكينة

Clear product families with the published material range and the ordering data required for a correct quotation

BUTTERFLY VALVES

محابس فراشة

WAFER / LUG / FLANGED RANGE



STAINLESS WAFER / PTFE



SIZE & TECHNICAL RANGE

TYPE: Centric wafer | lever / gear / actuator

SIZE: DN40-DN300 | 1-1/2 to 12 in

RATING: PN10 / PN16 | Class 150 by model

BODY/DISC: CF8M / SS316 options

SEAT: PTFE shown | EPDM / NBR / FKM

TEMP: PTFE typical -20 to +150 C

STD: EN593/API609 | EN558 S20 | API598

SANITARY VALVES

محابس صحية



SS304 / SS316 | 1/2-4 in

Food, dairy and pharmaceutical service

Connection, seat, finish and pressure by RFQ

Final hygienic standard on approved data sheet

KNIFE GATE VALVES

محابس سكينة



Stainless-steel knife-valve family

Manual / pneumatic / electric duty by selection

Body, gate, seat, DN and PN/Class by RFQ

Media solids content and temperature are required

ADDITIONAL VALVE SUPPLY RANGE

Ball valves: stainless steel 304/316 for industrial service; carbon steel for high-pressure applications.

Bronze valves: low-pressure liquid/gas service. Gate valves: stainless 304/316 and cast-steel families.

Check valves: spring and non-return families. Exact construction and pressure class follow the selected figure.

MANDATORY RFQ: DN/NPS | PN/Class | body/disc/stem/seat | connection | medium | temperature | operator

Butterfly data above is an equivalent supply range; confirm exact figure, liner, pressure-temperature rating and dimensions before order.



GATE, GLOBE & CHECK VALVES

Three clear product families - compact selection summary from the supplied IVM / OMB Saudi catalogue

جيت وجلوب وتشيك فالف

GATE VALVE

جيت فالف



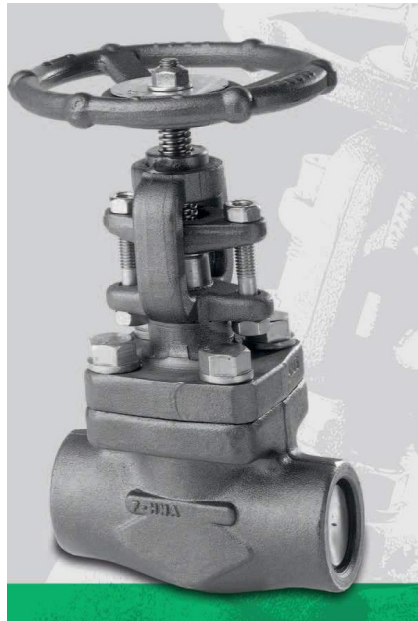
ON / OFF ISOLATION

1/4-2 in* | Class 150-2500

Thread / SW / BW / Flanged

GLOBE VALVE

جلوب فالف



THROTTLING / SHUT-OFF

1/4-2 in* | Class 150-4500

Straight / Y-pattern designs

CHECK VALVE

تشيك فالف



AUTOMATIC NON-RETURN

Piston / Ball / Swing

1/4-2 in* | Class 150-4500

IVM / OMB SAUDI PRODUCT REFERENCE

Manufactured, assembled and tested in Dammam Second Industrial City

Licensed OMB Italy valve design and production technology

Forged body families for isolation, control and non-return service

*Exact size, port, class and end-connection availability depends on the selected valve figure.

PRIMARY DESIGN REFERENCES

API 602 | ISO 15761

ASME B16.34 | B16.5



OMB VALVES - MADE IN ITALY

Three original OMB product photographs - Italian gate, globe and check valve families

محابس فولاذ مطروق صناعة إيطالية

OMB GATE VALVE

جيت فالف إيطالي



ITALIAN FORGED STEEL

1/4-2 in* | Class 150-2500

API 602 / ISO 15761

OMB GLOBE VALVE

جلوب فالف إيطالي



CONTROL / SHUT-OFF

1/4-2 in* | Class 150-4500

Straight / Y-pattern designs

OMB CHECK VALVE

تشيك فالف إيطالي



AUTOMATIC NON-RETURN

Piston / Ball / Swing

1/4-2 in* | Class 150-4500

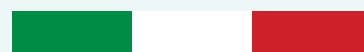
ITALIAN MANUFACTURER / MADE IN ITALY

OMB Valves S.p.A. - Cenate Sotto (Bergamo), Italy

The supplied OMB catalogue states Made-in-Italy forgings for its product range.

Special Y-pattern designs include Class 2680 at 6664 psi @ 100 F, by selected model.

*Exact bore, size, class, end connection and pressure-temperature rating follow the selected figure.



MADE IN ITALY

صناعة إيطالية

GATE & GLOBE SELECTION GUIDE

دليل اختيار الجيت والجلوب فالف

Condensed size, connection and pressure-class guide - full dimensional drawings available with the approved quotation

GATE VALVES - ISOLATION / ON-OFF

جيت فالف للعرل والفتح والإغلاق

DESIGN	CLASS	END CONNECTION	PORT	SIZE	RATING @ 100 F
Flanged gate	150 / 300 / 600	ASME flanged	Std / Full	1/2-2 in	285 / 740 / 1480 psi
Gate	800	Thread / SW	Std / Full	1/4-2 in*	1975 psi / 136.2 bar
Gate	1500	Thread / SW / Flg	Std / Full	1/4-2 in*	3705 psi / 255.5 bar
Gate	2500	SW / BW / Flanged	Full	1/4-2 in*	6170 psi / 425.4 bar
Extended body	800 / 1500	Thread / SW / BW	Standard	1/2-2 in	1975 / 3705 psi

GLOBE VALVES - THROTTLING / SHUT-OFF

جلوب فالف للتحكم والإغلاق

DESIGN	CLASS	END CONNECTION	PORT	SIZE	RATING @ 100 F
Flanged globe	150 / 300 / 600	ASME flanged	Std / Full	1/2-2 in	285 / 740 / 1480 psi
Straight globe	800	Thread / SW	Std / Full	1/4-2 in*	1975 psi / 136.2 bar
Straight globe	1500	Thread / SW / Flg	Std / Full	1/4-2 in*	3705 psi / 255.5 bar
Straight globe	2500	SW / BW / Flanged	Full	1/4-2 in*	6170 psi / 425.4 bar
Straight globe	4500	SW / BW / Clamp	Full	1/4-2 in*	11110 psi / 766.0 bar
Y-pattern	800-4500**	Thread / SW / BW	Full	1/4-2 in*	Per selected class

MATERIAL / CONSTRUCTION OPTIONS

- Body / bonnet: ASTM A105, A350 LF2, F11, F304 or F316 according to the selected figure and service.
- Trim: F6, 304 or 316; hard-faced seating may be specified for high-temperature or severe service.
- Bolted, welded or round bolted bonnet; OS&Y / inside-screw construction according to the model.
- Graphite packing and non-asbestos gaskets are selected for the stated medium and temperature.

STANDARDS / SERVICE

- API 602 / ISO 15761 | ASME B16.34 | ASME B16.5 / B16.10 / B16.20 where applicable.
- Steam, cryogenic, NACE sour-service, bellows-seal and actuated options require an approved project data sheet.
- *Size and bore vary by figure. **Y-pattern specials include IVM 1700/2700 and OMB Italy 2680, by model.

الاختيار النهائي حسب الوسط والحرارة والضغط ونشرة البيانات المعتمدة



CHECK VALVES & PRESSURE GUIDE

التشيك فالف وجدول الضغط

Piston, ball and swing non-return valves - compact range and carbon-steel pressure reference

CHECK TYPE	CLASS	END CONNECTION	PORT	SIZE	RATING @ 100 F
Piston / Ball / Swing	150 / 300 / 600	ASME flanged	Std / Full	1/2-2 in	285 / 740 / 1480 psi
Piston / Ball / Swing	800	Thread / SW	Std / Full	1/4-2 in*	1975 psi
Piston / Ball / Swing	1500	Thread / SW / Flg	Std / Full	1/4-2 in*	3705 psi
Piston / Ball	2500	SW / BW / Flanged	Full	1/4-2 in*	6170 psi
Piston / Ball	4500	SW / BW	Full	1/4-2 in*	11110 psi
Y-pattern piston	800-4500**	Thread / SW / BW	Full	1/4-2 in*	Per selected class

PRESSURE REFERENCE - ASTM A105 CARBON STEEL @ 100 F / 38 C

Reference only - rating changes with material and temperature

CLASS 150 285 PSI 19.6 BAR	CLASS 300 740 PSI 51.1 BAR	CLASS 600 1480 PSI 102.1 BAR
CLASS 800 1975 PSI 136.2 BAR	CLASS 1500 3705 PSI 255.5 BAR	CLASS 1700 Y 4198 PSI 289.4 BAR
CLASS 2500 6170 PSI 425.4 BAR	CLASS 2680 / 2700 Y 6664 PSI 459.5 BAR	CLASS 4500 11110 PSI 766.0 BAR

IMPORTANT SELECTION NOTES

Pressure values above are reference ratings for ASTM A105 carbon steel at 100 F / 38 C.

Allowable pressure decreases as temperature rises and differs for LF2, F11, F304 and F316 materials.

Check-valve direction, disc type, bore and cracking characteristics follow the selected valve figure.

End options: threaded, socket-weld, butt-weld or integral flanged, depending on class and design.

Order with NPS, class, body/trim, end connection, medium, temperature and required certificates.

GOVERNING DOCUMENT

Approved manufacturer data sheet, nameplate and MTC govern the supplied valve.

البيشيرة المعتمدة ولوحة المحبس وشهادة المواد هي المرجع النهائي



FLANGED GATE, GLOBE & CHECK

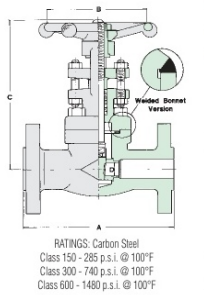
جيت وجلوب وتنشيك فالف فلانش

The missing integral-flanged versions from the supplied IVM / OMB Saudi catalogue - models, classes and pressure guide

FLANGED GATE

جيت فالف فلانش

F1-810 / F3-810 / F6-810



RATINGS: Carbon Steel
Class 150 - 285 p.s.i. @ 100°F
Class 300 - 740 p.s.i. @ 100°F
Class 600 - 1480 p.s.i. @ 100°F

CLASS 150 / 300 / 600

1/2-2 in | standard port

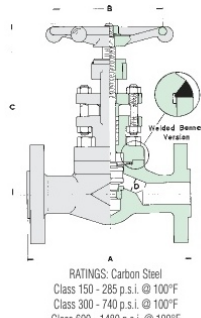
OS&Y | bolted bonnet

Integral ASME B16.5 flanges

FLANGED GLOBE

جلوب فالف فلانش

F1-830 / F3-830 / F6-830



RATINGS: Carbon Steel
Class 150 - 285 p.s.i. @ 100°F
Class 300 - 740 p.s.i. @ 100°F
Class 600 - 1480 p.s.i. @ 100°F

CLASS 150 / 300 / 600

1/2-2 in | standard port

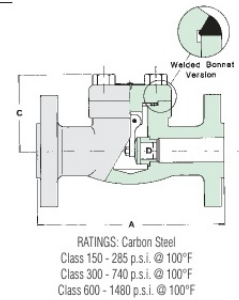
OS&Y | bolted bonnet

Integral ASME B16.5 flanges

FLANGED CHECK

رداد وتنشيك فالف فلانش

F1/F3/F6-840 / 850 / 860



RATINGS: Carbon Steel
Class 150 - 285 p.s.i. @ 100°F
Class 300 - 740 p.s.i. @ 100°F
Class 600 - 1480 p.s.i. @ 100°F

PISTON / BALL / SWING

Class 150 / 300 / 600

1/2-2 in | std / full port

Integral ASME B16.5 flanges

MODEL / CLASS SELECTION

FAMILY	MODELS	CLASS	SIZE	CONSTRUCTION	END / STANDARD
GATE STD	F1/F3/F6-810	150/300/600	1/2-2 in	Bolted BB / Std	Integral flange B16.5
GATE HP	F9-RJ910 / F25-RJ2510	1500/2500	1/2-2 in*	Round BB / Full	RTJ flange B16.5
GLOBE STD	F1/F3/F6-830	150/300/600	1/2-2 in	Bolted BB / Std	Integral flange B16.5
GLOBE HP	F9-RJ930 / F25-RJ2530	1500/2500	1/2-2 in*	Round BB / Full	RTJ flange B16.5
CHECK STD	F1/F3/F6-840/850/860	150/300/600	1/2-2 in	Piston/Ball/Swing	Integral flange B16.5
CHECK HP	F9-940/950/960; F25-2540/50	1500/2500	1/2-2 in*	Piston/Ball/Swing	RTJ flange B16.5

CARBON-STEEL PRESSURE REFERENCE @ 100 F / 38 C

CL 150

285 psi / 19.6 bar

CL 300

740 psi / 51.1 bar

CL 600

1480 psi / 102.1 bar

CL 1500

3705 psi / 255.5 bar

CL 2500

6170 psi / 425.4 bar

Forged body options: ASTM A105, A350 LF2, F11, F304 or F316 according to the selected valve figure and service.

Design: API 602 / ISO 15761; face-to-face ASME B16.10; integral flange ASME B16.5; RTJ gasket ASME B16.20.

*High-pressure size and check-type availability varies by model. Final pressure-temperature table and MTC govern supply.

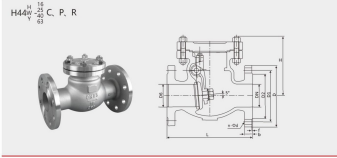


STAINLESS CHECK & STRAINER RANGE

Clear stainless product families with size, pressure, connection and material selection in one compact page

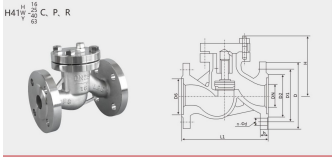
ردادات وسترينر ستانلس

SS SWING CHECK
H44W/Y - P / R



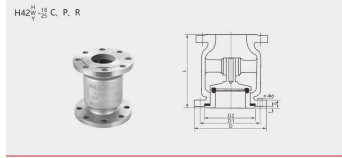
SIZE: DN15-DN600
PRESSURE: PN16-63

SS LIFT CHECK
H41W/Y - P / R



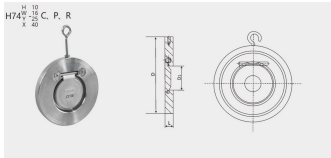
SIZE: DN15-DN300
PRESSURE: PN16-40

SS VERTICAL CHECK
H42W/Y - P / R



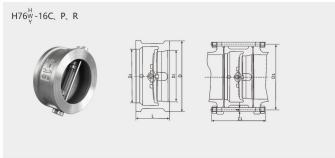
SIZE: DN15-DN250
PRESSURE: PN16-40

SS WAFER CHECK
H74W/Y/X - P / R



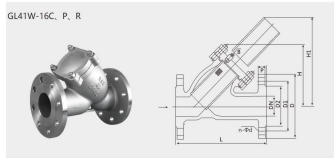
SIZE: DN50-DN1000
PRESSURE: PN10-40

SS DUAL-PLATE CHECK
H76W/Y - P / R



SIZE: DN40-DN1200
PRESSURE: PN10 / 16

SS Y-STRAINER
GL41W-16P / R



SIZE: DN15-DN300
PRESSURE: PN16

STAINLESS MODEL SELECTION

MODEL	TYPE	SIZE	RATING	END	STAINLESS BODY
H44W/Y	Swing check	DN15-600	PN16-63	Flanged	CF8/CF3/CF8M/CF3M
H41W/Y	Lift check	DN15-300	PN16-40	Flanged	CF8/CF3/CF8M/CF3M
H42W/Y	Vertical check	DN15-250	PN16-40	Flanged	CF8/CF3/CF8M/CF3M
H74W/Y/X	Wafer check	DN50-1000	PN10-40	Wafer	CF8/CF3/CF8M/CF3M
H76W/Y	Dual-plate	DN40-1200	PN10/16	Wafer	CF8/CF3/CF8M/CF3M
GL41W	Y-strainer	DN15-300	PN16	Flanged	CF8/CF3/CF8M/CF3M

MATERIAL / DESIGN NOTES

- Cast stainless options: ASTM A351 CF8 / CF3 / CF8M / CF3M - 304 / 304L / 316 / 316L material families.
- Y-strainer screen: stainless 304 or 316L; gasket: PTFE, RPTFE or spiral-wound according to service.
- Dual-plate wafer check: ASME B16.34 / API 594 design and API 598 test on the supplied manufacturer page.
- Confirm flow direction, horizontal/vertical installation, cracking pressure, mesh/perforation and gasket before order.
- Final dimensions, PN rating, temperature limit and material certificate follow the selected model data sheet.



FLANGED VALVE RANGE

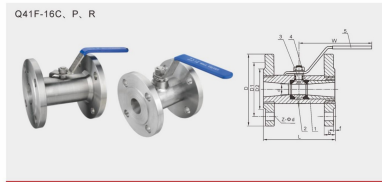
محابس كروية وجيت وجلوب فلانش

Exact products condensed from pages 48, 50-57 - product image plus the published size and pressure range

FORGED FLANGED BALL

SRC. P48

Q41F-16C / P / R



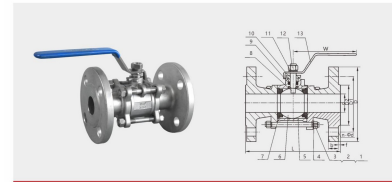
SIZE: DN15-DN100 (1/2"-4")

PRESSURE: PN16

3PC FLANGED BALL

SRC. P50

3-piece body



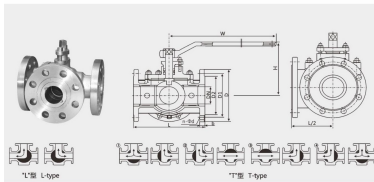
SIZE: DN15-DN100 (1/2"-4")

PRESSURE: PN16

3-WAY FLANGED BALL

SRC. P51

L-port / T-port



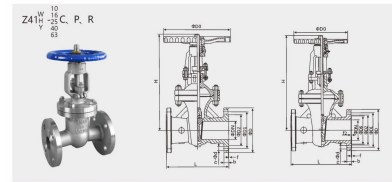
SIZE: DN15-DN250

PRESSURE: PN16

FLANGED GATE

SRC. P52

Z41H / Y - C, P, R



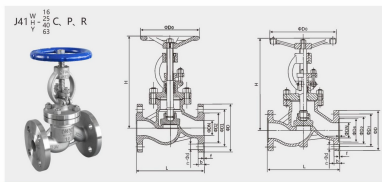
SIZE: DN15-DN600

PRESSURE: PN10 / 16 / 25 / 40 / 63

FLANGED GLOBE

SRC. P54

J41H / Y - C, P, R



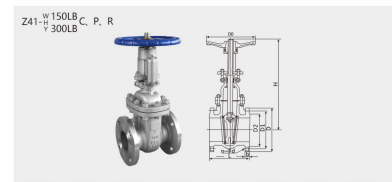
SIZE: DN15-DN600

PRESSURE: PN16 / 25 / 40 / 63

ASME GATE VALVE

SRC. P56

Z41-H - C, P, R



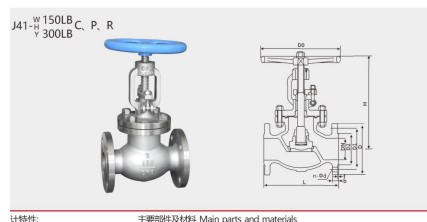
SIZE: 1/2"-24"

PRESSURE: CLASS 150 / 300

ASME GLOBE VALVE

SRC. P57

J41-H - C, P, R



SIZE: 1/2"-16"

PRESSURE: CLASS 150 / 300



STAINLESS STEEL FLANGES

فلائشات ستانلس ستيل

Clear customer-supplied product photographs - connection, facing and class selected by approved RFQ

WELD NECK WN  رفعة لحام	THREADED TH  ملولب	SOCKET WELD SW  سوكيت لحام	SLIP-ON SO  سليب أون
BLIND BL  مصمت	LAP JOINT LJ  لاب جوينت	PLATE FLANGE PL  فلائشة صاج	PRODUCT RANGE RANGE  مجموعة الفلائشات

TECHNICAL RANGE / نطاق المواصفات

MATERIAL

ASTM A182 F304 / F304L / F316 / F316L

FORGED FLANGES

ASME B16.5 | NPS 1/2-24 | Class 150-2500

FACING

RF / FF / RTJ - as ordered

PLATE FLANGE

EN / JIS / approved project standard by RFQ

State type, NPS/DN, class/PN, material, facing, bore/schedule and drilling standard on the RFQ.



STAINLESS BUTT-WELD FITTINGS

Clear product photographs - tees, reducers, elbow and end cap in one compact selection page

وصلات ستانلس ستيل لحام

EQUAL TEE

TEE



تي متساوي

CONCENTRIC REDUCER

CON



مخفف مركزي

REDUCING TEE

R-TEE



تي مخفف

ECCENTRIC REDUCER

ECC



مخفف لامركزي

90 DEGREE ELBOW

ELBOW



كوع ٩٠ درجة

END CAP

CAP



غطاء نهاية

TECHNICAL RANGE / نطاق المواصفات

MATERIAL

ASTM A403 WP304 / WP304L / WP316 / WP316L

TYPICAL SIZE

NPS 1/2-24 - subject to type

DIMENSION STANDARD

ASME B16.9 | factory-made wrought butt-weld fittings

WALL / SCHEDULE

SCH 10S / 40S / 80S - by RFQ

Butt-weld ends; final OD, wall, bevel/end preparation and dimensions match the ordered pipe schedule.

Other elbow angles and special dimensions are supplied only against an approved drawing or quotation.



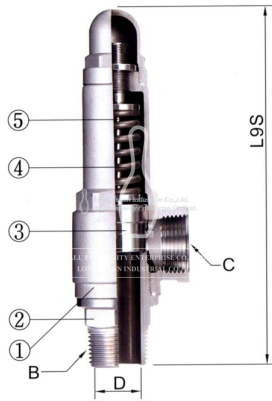
STAINLESS STEEL SAFETY & RELIEF VALVES

صمامات أمان ستانلس ستيل

Clear model photographs with the size, pressure, temperature and connection beside each model

L9S - SEALED

Low-lift safety valve - Stainless Steel 304 / CF8



SIZE	1/2" - 2"
PRESSURE	0.3 - 20 kgf/cm ²
TEMP.	-196 to 290 C
END	NPT / BSPT / BSPF

L9-LS - LEVER

Low-lift safety valve - Stainless Steel 304 / CF8



SIZE	1/2" - 2"
PRESSURE	0.3 - 20 kgf/cm ²
TEMP.	-196 to 290 C
END	NPT / BSPT / BSPF

L8-LSP - LEVER

Low-lift, PTFE seal - Stainless Steel 316 / CF8M



SIZE	1/2"x1" - 2"x2"
PRESSURE	2 - 20 kgf/cm ²
TEMP.	-60 to 196 C
END	NPT / BSPT / BSPF

L8SFF - FLANGED

Sealed low-lift - Stainless Steel 316 / CF8M



SIZE	1/2"x1" - 2"x2"
PRESSURE	0.3 - 20 kgf/cm ²
TEMP.	-196 to 290 C
END	JIS10K / ANSI150 / PN16



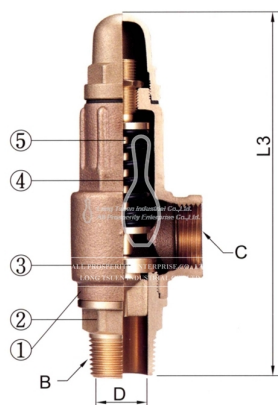
BRONZE & IRON SAFETY VALVES

صمامات أمان برونز وزهر

Clear lever and sealed versions - low-lift and full-bore families

L3 - SEALED

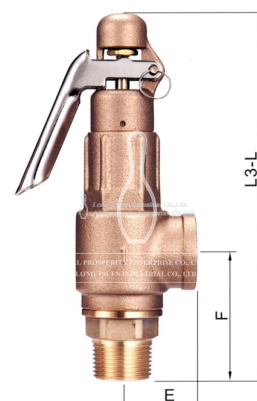
Bronze body - low-lift safety valve



SIZE	1/2" - 2"
PRESSURE	0.3 - 20 kgf/cm2
TEMP.	-45 to 185 C
SERVICE	Gas / Air / Steam

L3-L - LEVER

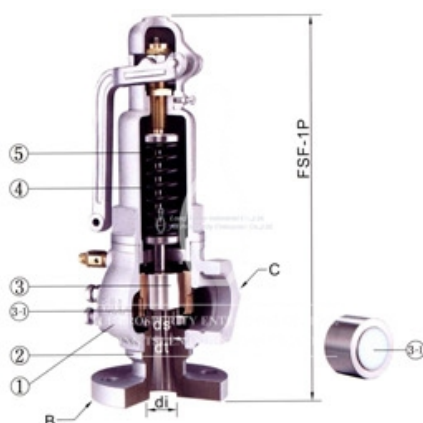
Bronze body - low-lift safety valve



SIZE	1/2" - 2"
PRESSURE	0.3 - 20 kgf/cm2
TEMP.	-45 to 185 C
SERVICE	Gas / Air / Steam

FSF-1P - LEVER

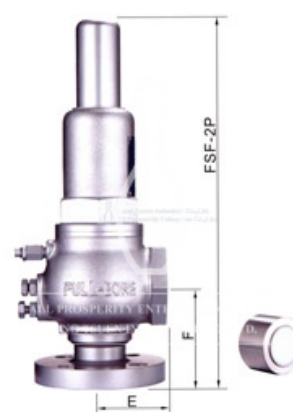
Cast iron body - full-bore safety valve



SIZE	1" / 1-1/2" / 2"
PRESSURE	1 - 20 kgf/cm2
TEMP.	-5 to 196 C
SERVICE	Gas / Air / Steam

FSF-2P - SEALED

Cast iron body - full-bore safety valve



SIZE	1" / 1-1/2" / 2"
PRESSURE	1 - 20 kgf/cm2
TEMP.	-5 to 196 C
SERVICE	Gas / Air / Steam

SAFETY VALVE SIZE & PRESSURE GUIDE

دليل المقاسات والضغط

Published model limits - set pressure and certified relieving capacity require final factory sizing

MODEL SELECTION SUMMARY

MODEL	BODY	END	SIZE	kgf/cm2	TEMP. C
L9S / L9-LS	SS304 / CF8	Threaded	1/2" - 2"	0.3 - 20	-196 to 290
L8-LSP	SS316 / CF8M	Threaded	1/2"x1" - 2"x2"	2 - 20	-60 to 196
L8SFF	SS316 / CF8M	Flanged	1/2"x1" - 2"x2"	0.3 - 20	-196 to 290
L3 / L3-L	Bronze	Threaded	1/2" - 2"	0.3 - 20	-45 to 185
FSF-1P / 2P	Cast iron	Flanged	1" / 1-1/2" / 2"	1 - 20	-5 to 196

L9S / L9-LS DIMENSIONS - mm

SIZE	H L9S	H L9-LS	D	E	F	LIFT
1/2"	142	168	13	29	49	0.52
3/4"	164	190	19	36	55	0.76
1"	200	222	25	40	67	1.00
1-1/4"	232	248	32	50	79	1.28
1-1/2"	256	272	38	54	86	1.52
2"	283	306	50	66	96	2.00

L8-LSP THREADED - mm

SIZE	H	LIFT	kg
1/2"x1"	199	0.88	1.3
3/4"x1"	199	0.88	1.3
1"x1"	203	0.88	1.3
1-1/4"x2"	279	1.52	4.8
1-1/2"x2"	284	1.52	4.8
2"x2"	284	1.52	4.9

L8SFF FLANGED - mm

SIZE	H	LIFT	kg
1/2"x1"	180	0.88	2.9
3/4"x1"	180	0.88	3.2
1"x1"	180	0.88	3.6
1-1/4"x2"	260	1.52	8.0
1-1/2"x2"	260	1.52	8.8
2"x2"	260	1.52	9.0

REQUIRED FOR CORRECT SELECTION

- Fluid and phase | required set pressure | operating temperature | inlet and outlet connection
- Required relieving capacity | back pressure | material | applicable certification or project standard
- Do not select a safety valve only by nominal pipe size; final certified capacity must be confirmed.



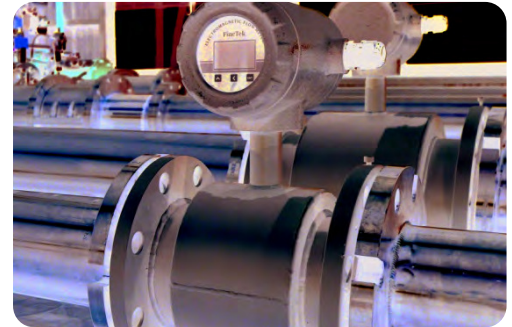
FINETEK EPD FLOWMETER - PHOTO GALLERY

صور فلوميتر فاينتك EPD

Three real views from the same electromagnetic flowmeter family



EPD COMPACT & REMOTE CONFIGURATIONS



CALIBRATION / PRODUCTION LINE



INSTALLED EPD SENSOR

DN RANGE

15-500

FLOW

0.1-10 m/s

ACCURACY

0.3 / 0.5 / 1%

PROTECTION

IP67 / NEMA 4X

PUBLISHED EPD DATA

Conductive liquids above 5 uS/cm. PTFE liner temperature -20 to 120 C. Current product page lists 10 kg/cm2. Outputs include 4-20 mA, pulse and RS-485 Modbus. IP68 is optional. Confirm the selected model and pressure class in the quotation.



FLOWMETER CONFIGURATION & RFQ

اختيار ومواصفات الفلوميتر

One page for the model options, installation and quotation data



FIELD	PUBLISHED OPTION
Configuration	EPD30 compact / EPD34 remote
Line size	DN15-500 comparison range
Liner	PTFE and model-dependent options
Electrodes	316L / Hastelloy / titanium options
Output	4-20 mA / pulse / RS-485 Modbus
Protection	IP67 / NEMA 4X; IP68 optional
Power	100-240 Vac by published product page

INSTALLATION

Keep the pipe full. Provide grounding. Avoid air pockets and electrode coating. FineTek publishes a typical straight run of 5D upstream and 2D downstream. Verify the final installation drawing.

SEND WITH RFQ

Fluid and conductivity, normal and maximum flow, DN, liner, electrodes, temperature, pressure, flange standard, power, output / protocol, display location and IP rating.

MODEL LIMITS MUST BE CONFIRMED

Do not combine the maximum size, temperature, pressure and option values from different documents as if they belong to one model. The approved data sheet and order code control the final supply.



MANAR AL-AMAL TRADING CO.

Company registration, contact details, showroom and warehouse locations

شركة منار العمل للتجارة



MANAR AL-AMAL
— TRADING CO. —

COMPANY DETAILS

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VAT 311230953700003

PHONE / MOBILE / WHATSAPP

+966 55 527 9850

manrlam1818@gmail.com

SHOWROOM / المعرض

Jeddah - Al-Baladiyah St.

Next to Mercedes Parts Co.

WAREHOUSES / المستودعات

Kilo 13, Umm Al-Salam - Abdullah Ibn Maktoum St.

MAIN PRODUCT GROUPS

مجموعات المنتجات الرئيسية

PIPES & TUBES

Stainless + A106 Gr.B carbon-steel range

SHEETS & HOLLOW

Sheet / square tube / rectangular tube

STEAM SYSTEMS

ARI / Spirax Sarco valves, traps and regulators

INDUSTRIAL VALVES

Manual / electric / Saudi + Italian forged / specialty

SAFETY & FLOW

Safety valves + FineTek flow measurement

TECHNICAL / COMMERCIAL NOTE

Final compliance, availability, price and delivery are confirmed against the approved RFQ and data sheet.