UTAM
SYNERCON



Bellow Sealed Valve

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TECHNICAL INSIGHTS

1. Bellow and Packing

- Extended body neck protects the bellows.
- Multi-layer design tested with helium ensures reliability.

2. Stem

- Maintenance-free design eliminates stem bearings.
- Metal-to-metal back remove space seat ensures additional safety.

3. Body and Bonnet

- Cast bodies with integral flanges.
- Fully confined gasket prevents flow or blowout at the body-bonnet joint.

4. Seats and Seat Ring

- Hard-faced surfaces provide superior corrosion and wear resistance.
- Casted seats with Stellite welding for durability.
- 360° rotating conical plug ensures secure closure and a clean seat made from hardened steel 1.4006 or Stellite.
- Renewable seat ring with metallic gasket for optimal sealing.

5. Benefits

- Superior Leak Protection.
- Low Maintenance.
- Suitable for hazardous media.

6. Valve Certifications:

- **PED:**
  Pressure Equipment Directive 2014/68/EU approved.
- **Fugitive Emission:**
  TA-LUFT, EN 15446 & ISO 15848.
- **Fire Safety:**
  Certified to API 607 (8th Edition 2022) and ISO 10497.

Bellow Sealed Valve (UV-290)

Product Code	Bonnet Design Screw Type	Handwheel Design	End Connections	Size Range	Pressure Rating
UV-290-4	Bolted Bonnet	Outside Screw & Yoke	Flanged Ends BS EN-1092-2 [Raised and Flat Faced]	DN15 to DN250 [½" to 10"]	PN16
UV-290-7	Bolted Bonnet	Outside Screw & Yoke	Flanged Ends BS EN-1092-2 [Raised and Flat Faced]	DN15 to DN250 [½" to 10"]	PN25
UV-290-F	Bolted Bonnet	Outside Screw & Yoke	Flanged Ends BS EN-1092-2 [Raised and Flat Faced]	DN15 to DN250 [½" to 10"]	PN40

Note:
-Trim No. are available as per API 623. Other Trim can be supplied on the customer request.
-UTAM Offer Trim No.8 in standard series.
-The special requirements will be indicated at the offer and the performa invoice, together with other supporting documents. Offered options are supported with additional technical documents.

Sr No.	Part Name	UV-290-F	UV-290-4 / UV-290-7
1	Body	ASTM A216 Gr. WCB / 1.0619	ASTM A536 / 5.3103
2	Bonnet	ASTM A216 Gr. WCB / 1.0619	ASTM A536 / 5.3103
3	Seat Ring	[ASTM A216 Gr. WCB / 1.6019] + ST6	[ASTM A216 Gr. WCB / 1.6019] + ST6
4	Seat	[ASTM A216 Gr. WCB / 1.6019] + ST6	[ASTM A216 Gr. WCB / 1.6019] + ST6
5	Stem	ASTM A276 T410 / 1.4006	ASTM A276 T410 / 1.4006
6	Bellow	SS-316 / SS-316 Ti	SS-316 / SS-316 Ti
7	Gland Flange	ASTM A216 Gr. WCB / 1.0619	ASTM A216 Gr. WCB / 1.0619
8	Gland Nut	ASTM A276 T410 / 1.4006	ASTM A276 T416 / 1.4006
9	Stem Check Nut	ASTM A276 T410 / 1.4006	ASTM A276 T416 / 1.4006
10	Yoke Bush	ASTM A582 T416 / 1.4005	ASTM A582 T416 / 1.4005
11	Cap	ASTM A582 T416 / 1.4005	ASTM A582 T416 / 1.4005
12	Gland Packing	Flexible Graphite	Flexible Graphite
13	Fasteners	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H
14	Handwheel	ASTM A536	ASTM A536
15	Name Plate	SS-316	SS-316



CE

CE LOGO MARKED
PED DIRECTIVE
2014/68/EU APPROVED

FUGITIVE EMISSIONS TESTED
(FET) APPROVED
TA-LUFT
BS EN 15446 & ISO 15848

Bellow Sealed Valve (UV-290)

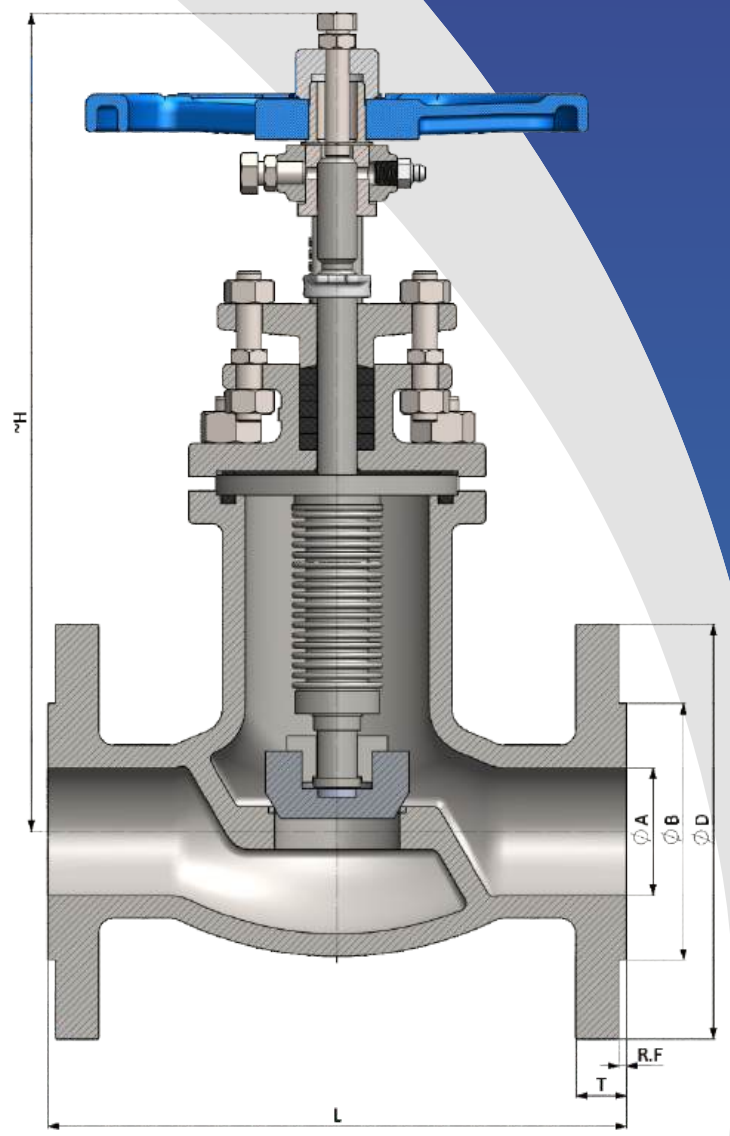
UTAM SYNERCON

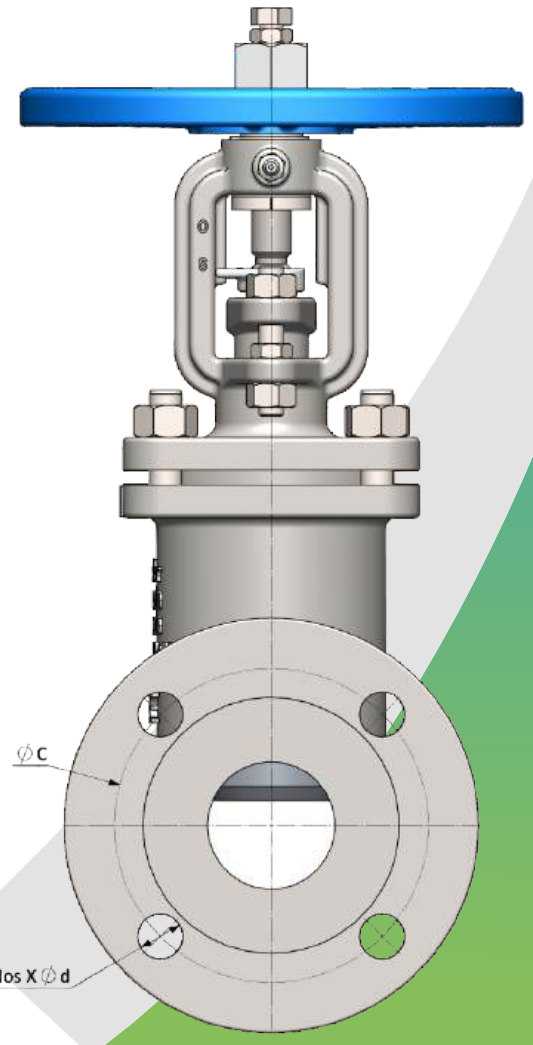
VALVE MEASUREMENTS

BS EN1092-2-PN16										
SIZE	ØA	ØB	ØC	ØD	T	RF	NxØd	L	~H	ØW
DN15	12.7	46	65	95	14	2	4x14	130	269	125
DN20	19.1	56	75	105	16		4x14	150	269	125
DN25	25.4	65	85	115	16	3	4x14	160	269	125
DN32	31.8	76	100	140	18		4x19	180	296	160
DN40	38.1	84	110	150	19		4x19	200	296	160
DN50	50.8	99	125	165	19		4x19	230	296	200
DN65	63.5	118	145	185	19		4x19	290	390	300
DN80	76.2	132	160	200	19		8x19	310	390	300
DN100	101.6	156	180	220	19		8x19	350	435	350
DN125	127	184	210	250	19		8x19	400	455	350
DN150	152.4	211	240	285	19		8x23	480	497	400
DN200	203.2	266	295	340	20		12x23	600	620	500

BS EN1092-2-PN25										
SIZE	ØA	ØB	ØC	ØD	T	RF	NxØd	L	~H	ØW
DN15	12.7	46	65	95	14	2	4x14	130	269	125
DN20	19.1	56	75	105	16		4x14	150	269	125
DN25	25.4	65	85	115	16	3	4x14	160	269	125
DN32	31.8	76	100	140	18		4x19	180	296	160
DN40	38.1	84	110	150	19		4x19	200	296	160
DN50	50.8	99	125	165	19		4x19	230	296	200
DN65	63.5	118	145	185	19		8x19	290	390	300
DN80	76.2	132	160	200	19		8x19	310	390	300
DN100	101.6	156	190	235	19		8x23	350	435	350
DN125	127	184	220	270	19		8x28	400	455	350
DN150	152.4	211	250	300	20		8x28	480	497	400
DN200	203.2	274	310	360	22		12x28	600	620	500

BS EN1092-1-PN40										
SIZE	ØA	ØB	ØC	ØD	T	RF	NxØd	L	~H	ØW
DN15	18	46	65	95	16	2	4x14	130	272	125
DN20	19.1	56	75	105	18		4x14	150	272	125
DN25	25.4	65	85	115	18	3	4x14	160	272	160
DN32	31.8	76	100	140	18		4x18	180	326	160
DN40	38.1	84	110	150	18		4x18	200	326	200
DN50	50.8	99	125	165	20		4x18	230	326	200
DN65	63.5	118	145	185	22		8x18	290	401	300
DN80	76.2	132	160	200	24		8x18	310	401	300
DN100	101.6	156	190	235	24		8x22	350	465	400
DN125	127	184	220	270	26		8x26	400	470	400
DN150	152.4	218	250	300	28		8x26	480	555	500
DN200	203.2	285	320	375	34		12x30	600	670	600
DN250	254	345	385	450	38		12x33	730	792	750





UTAM SYNERCON

GLOBAL PRESENCE

Get a detailed snapshot of our global footprint and how we are helping the cause of industries and our clients, worldwide.



Elevating Efficiency Through,
Advanced Engineering & Precision Valves

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