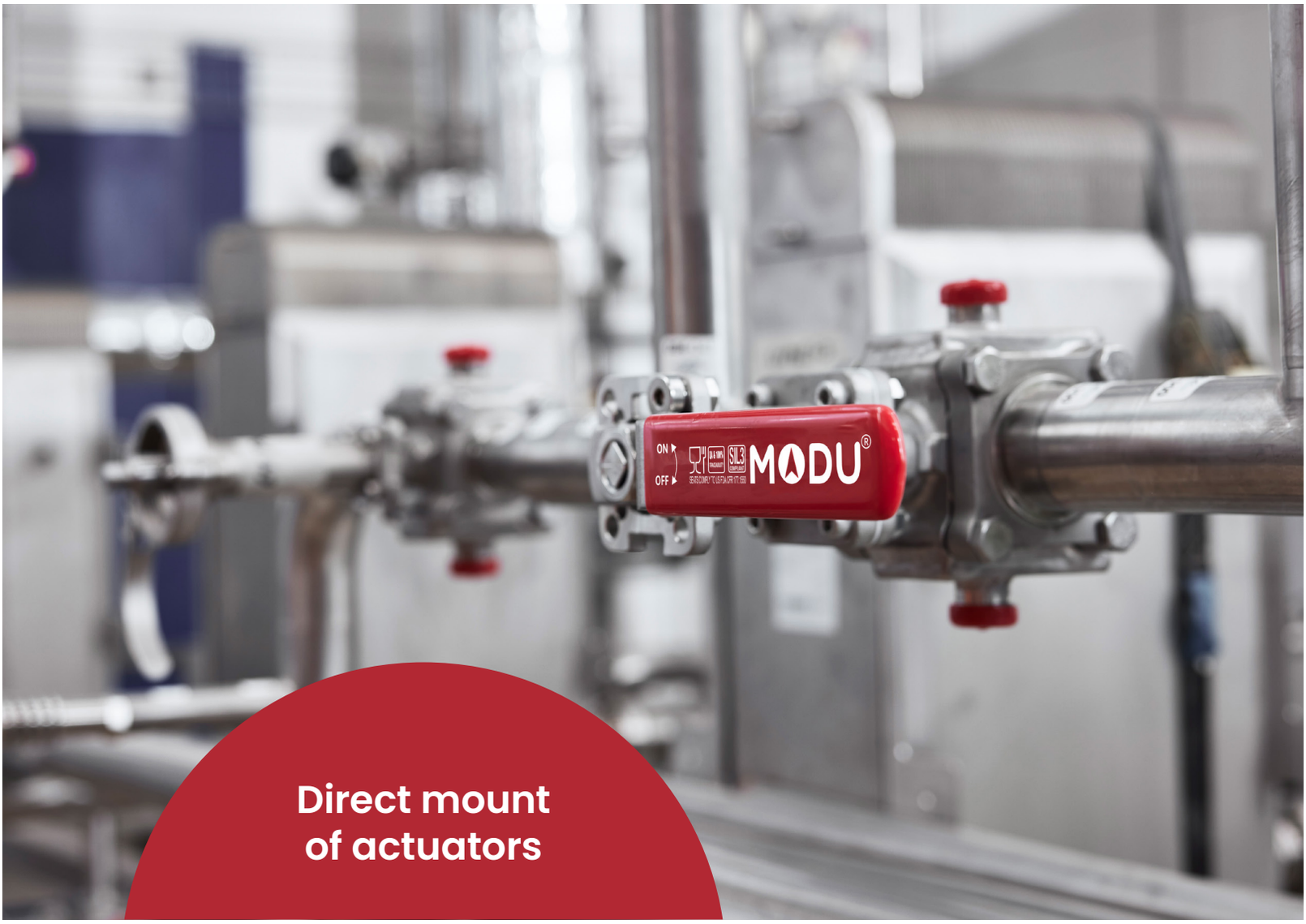


Direct mount of actuators

MODU

MODU 33

3-way ball valve • PN63/50/40

- Stainless steel 1.4408
- “L” or “T” port
- Industrial 3-way ball valve in very high quality
- Full bore
- Patented stem seal system that ensures long and trouble-free operation
- Glass-reinforced seats with high temperature and wear resistance
- ISO5211 connection for direct actuator assembly
- 5 seats for optimal seal and support of ball
- ISO 14001 certification

Make it better.

moduvalves.com

MODU®

MODU

MODU 33

3-way ball valve PN63/50/40 • SIL3, EU1935/2004, FDA, Kosher, Halal, PED, ATEX, TA-LUFT

Connection

Butt weld end, ISO1127, SMS3008 and threaded connection BSPP.

Usable for

Water, air, steam, oil ect. May be used for drinking water installations. The ball valve is not covered by the requirements for approval (GDV), but may be used for drinking water as the stainless steel quality is within the standard EN 1.4000 to EN 1.4999.

Options

Seat material:	PTFE, CPTFE, Delrin l.a.
Material:	1.0619
Connection:	NPT, socket weld, flange connection
Flow pattern:	4-way, 5-way configuration

Pressure rating

DN08-DN25:	63bar / 1000psi
DN32-DN50:	50bar / 800psi
DN65-DN100:	40bar / 600psi

Temperature

-20°C to 220°C

Accessories

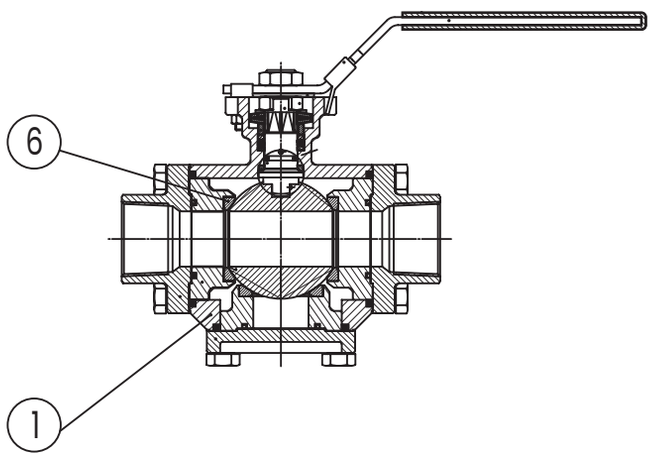
- Closed stem extension, TA-Luft approved stuffing box “TSM”
- Closed stem extension, without stuffing box
- Position indication, handle operated (inductive or mechanicle)

Spare parts

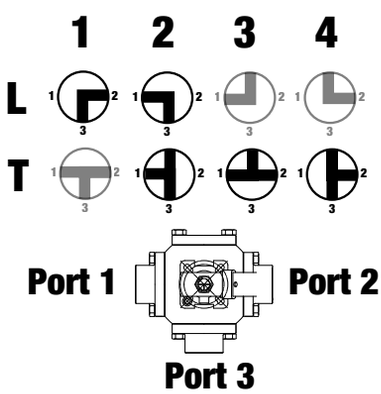
- Complete gasket kit
- Seat rings
- Body gasket
- Ball

Parts description, excerpt

Pos	Description	Material
1	Valve body	Stainless steel 1.4408
6	Seat ring	RPTFE (15%Glass 85%PTFE)



Flow pattern



Improve the quality

We help Engineers to improve the quality of your manufacturing process.

Optimize total cost

We help Purchasing Officers to optimize total cost of production, prevent downtime and safeguard your brand.

Work smarter

We help Maintenance Crews to work smarter, while preventing time-consuming mistakes.

Make it better.

MODU Valves A/S • moduvalves.com

01MODU_S33_DATA-SHEET_3-WAYS-BV-SS 15-09-2026

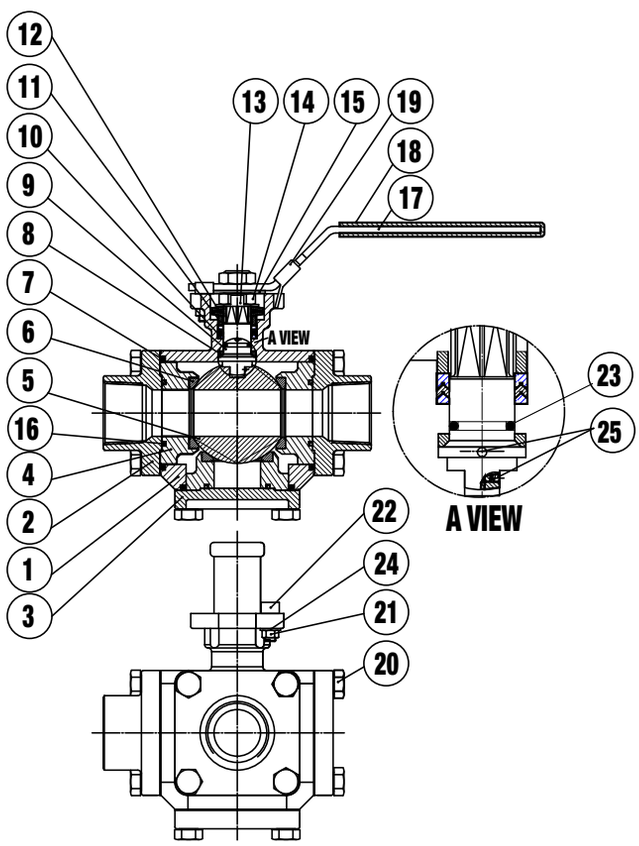
MODU

MODU 33

3-way ball valve PN63/50/40 • SIL3, EU1935/2004, FDA, Kosher, Halal, PED, ATEX, TA-LUFT

Materials

Pos	Description	Material
1	Valve body	Stainless steel 1.4408
2	Connection flange	Stainless steel 1.4409
3	Dead end flange	Stainless steel 1.4408
4	Support ring	PTFE
5	Ball	Stainless steel 1.4408
6	Seat ring	RPTFE (15%Glass 75%PTFE)
7	Body gasket	PTFE
8	Stem gasket	RPTFE (15%Glass 75%PTFE)
9	Stem	Stainless steel AISI316
10	Stem seal	RPTFE (15%Glass 75%PTFE)
11	Bushing	Stainless steel AISI304
12	Spring washer	Stainless steel AISI301
13	Locking saddel	Stainless steel AISI304
14	Stem nut	Stainless steel AISI304
15	Stem washer	Stainless steel AISI304
16	Gasket support ring	PTFE
17	Handle	Stainless steel AISI304
18	Sleeve	Vinyl
19	Locking plate	Stainless steel AISI304
20	Body bolt	Stainless steel AISI304
21	Nut	Stainless steel AISI304
22	Stop blot	Stainless steel AISI304
23	O-ring	FPM
24	Locking washer	Stainless steel AISI304
25	Antistatisc device	Stainless steel AISI316



DIM		*) Torque [Nm] Without pressure	Weight [Kg]	Kv-value [m3/h] L-port	Kv-value [m3/h] T-port straight	Kv-value [m3/h] T-port angle	Butt weld connections	
Welding	Thread						CF8M SMS3008 ØG x T (ØA)	CF8M ISO 1127 ØG x T (ØC)
DN08	1/4"	9	1.4	3.4	6.0	3.4	NA	13.5 x 1.6 (10.3)
DN10	3/8"	9	1.4	4.3	7.7	3.4	NA	17.2 x 1.6 (14.0)
DN15	1/2"	9	1.4	5.1	8.5	4.3	18.0 x 1.0 (12.7)	21.3 x 1.6 (18.1)
DN20	3/4"	17	2.7	13.6	17.9	11.1	NA	26.9 x 1.6 (23.7)
DN25	1"	29	4.7	26.4	30.6	18.7	25.0 x 1.2 (15,0)	33.7 x 2.0 (29.7)
DN32	1 1/4"	35	5.7	27.2	49.3	21.3	NA	42.4 x 2,0 (38.4)
DN40	1 1/2"	59	10.6	63.8	76.5	46.8	38.0 x 1.2 (32,0)	48.3 x 2.0 (44.3)
DN50	2"	72	13.3	119.0	148.8	85.0	51.0 x 1.2 (38,0)	60.3 x 2.6 (55.1)
DN65	2 1/2"	92	21.8	178.5	199.8	126.7	63.5 x 1.6 (50,0)	76.1 x 2.6 (70.9)
DN80	3"	198	28.1	318.8	382.5	229.5	76.1 x 1.6 (65,0)	88.9 x 2.6 (83.7)
DN100	4"	250	38.2	569.5	680.0	403.8	NA	114.3 x 2.6 (109.1)

*) Torques are listed without safety factor at 20°C. See section for actuator sizing in the following pages.

Make it better.

MODU Valves A/S • moduvalves.com

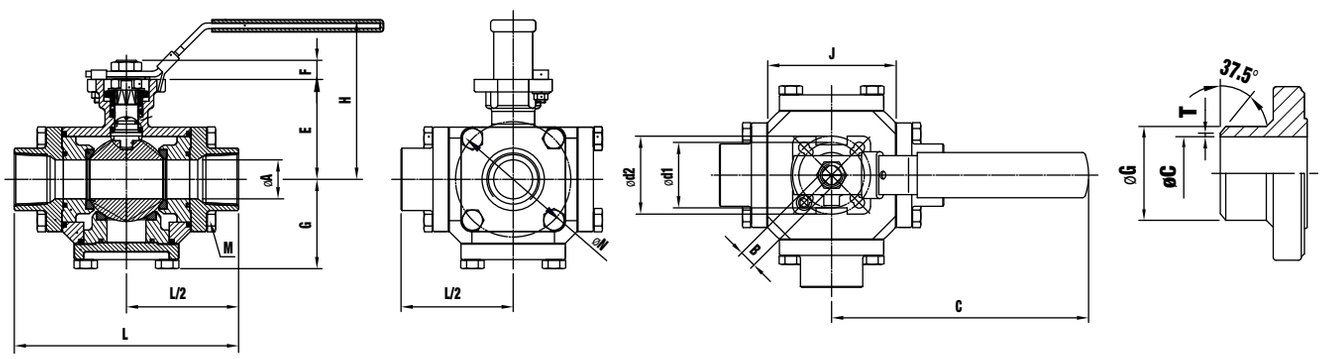
01MODU_S33_DATA-SHEET_3-WAYS-BV-SS 15-09-2026

MODU

MODU 33

3-way ball valve PN63/50/40 • SIL3, EU1935/2004, FDA, Kosher, Halal, PED, ATEX, TA-LUFT

Dimensions



DIM		ØA [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	H [mm]	J [mm]	L [mm]	M	øN [mm]	ød1 [mm]	ød2 [mm]	ISO5211
1/4"	DN08	11.6	9	150	43.9	9.0	35.1	85	50.6	92	M6	45	36	42	F03/F04
3/8"	DN10	12.7	9	150	43.9	9.0	35.1	85	50.6	92	M6	45	36	42	F03/F04
1/2"	DN15	15.0	9	150	43.9	9.0	35.1	85	50.6	92	M6	45	36	42	F03/F04
3/4"	DN20	20.0	11	165	54.2	10.5	45.3	93	67.0	110	M6	59	42	50	F04/F05
1"	DN25	25.0	11	180	64.1	10.5	56.8	108	83.0	144	M8	74	42	50	F04/F05
1-1/4"	DN32	32.0	14	215	78.5	13.0	59.8	127	89.0	146	M8	83	50	70	F05/F07
1-1/2"	DN40	38.0	17	263	94.9	18.0	72.3	152	109.0	164	M10	101	70	102	F07/F10
2"	DN50	50.0	17	313	101.6	18.0	80.5	159	121.0	184	M12	116	70	102	F07/F10
2-1/2"	DN65	65.0	17	344	120.0	18.0	96.8	177	146.0	228	M14	142	70	102	F07/F10
3"	DN80	76.0	22	370	132.9	23.0	105.0	195	158.0	265	M16	160	102	125	F10/F12
4"	DN100	100.0	22	510	164.0	23.0	131.5	226	209.0	317	M20	206	102	125	F10/F12

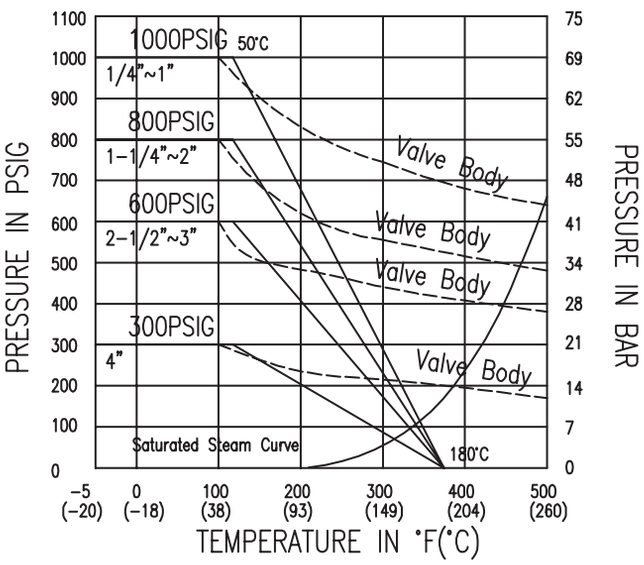
MODU

MODU 33

3-way ball valve PN63/50/40 • SIL3, EU1935/2004, FDA, Kosher, Halal, PED, ATEX, TA-LUFT

Temperature vs. pressure table for RTFE seats

Valid for fluids and dry gasses. For steam applications or applications with higher temperature/ pressure ratio, contact MODU Valves A/S.



Actuator sizing

Media factor	Multiply by
Clean, particle free, non-lubricatng (water, alcohol, etc)	1.00
Clean, particle free, lubricating (oils, hydraulic fluid, etc)	1.00
Slurries or heavily corroded, solvents and contaminated systems	2.00 #
Gas or saturated steam, clean and wet	1.00
Gas or superheated steam, clean and dry	1.30
Gas, dirty unfiltered e.g. natural gas, Chlorine	1.50

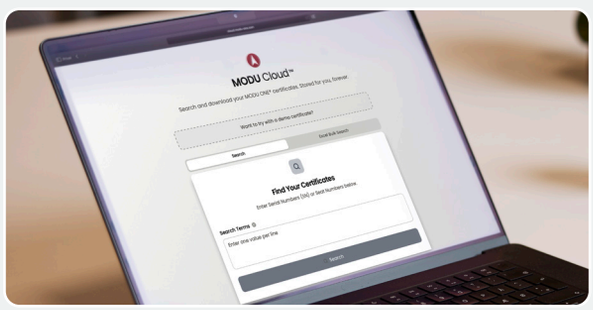
Service factor	Multiply by
Simple On and Off Operations	1.00
Throttling	1.20
Positioner Control	1.50
Once per day Operations	1.20
Once every two days or a "Plant Critical" Operation	1.50

For actuator dimensioning:
Torque x Media factor x Service factor

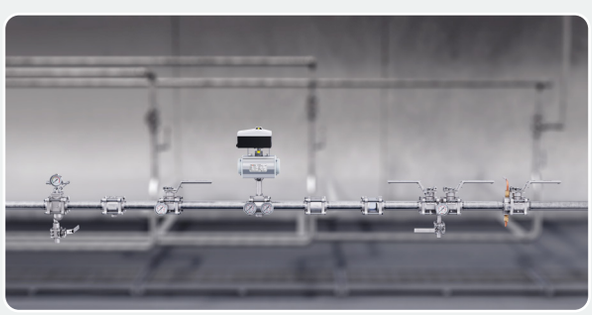
Contaminated systems will reduce the expected life span of the seat rings

Continue your journey *here*:

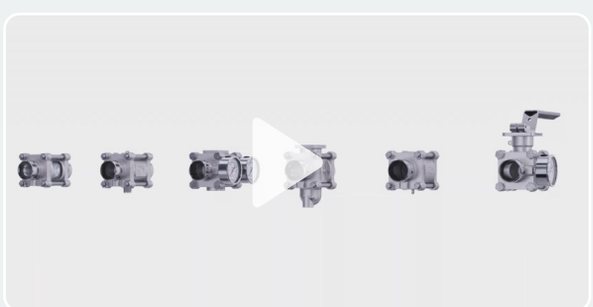
Talk to *us*
www.moduvalves.com/contact



Access *MODU Cloud™*
cloud.modu-one.com



Explore *MODU ONE®*
modu-one.com



See *MODU ONE®* in action
www.youtube.com/@MODUValves

MODU Item Manager™

Create, decode or convert MODU ONE® item numbers.

Build in *MODU Item Manager™*
build.modu-one.com

MODU®

MODU Valves A/S
Løversysselvej 4, DK-7100 Vejle
+45 6599 7000
info@moduvalves.com
modu-one.com • moduvalves.com