

Body: three way form

for water and steam, as mixing valve
(diverted purpose restricted, see page 038 990)
Pressure range: PN16, PN25, PN40
Immersion length acc. to DIN EN 558, basic series 1
Flanges acc. to DIN EN 1092-1/2 type 21
Spindle sealing: spring-loaded PTFE-V-ring unit
for media temperatures up to 250°C
Alternatively: graphite-packing
for media temperatures up to 450°C
Internal parts: stainless steel, replaceable seat rings
Flow characteristic: linear
Positioning ratio: 30:1 (up to 50:1)
Leakage: < 0,01% Kvs

Actuator: diaphragm area 250 cm², ø250 mm
Control signal / closing pressure: see table
Operating mode (reversible):
"Spring closes straightway A-AB"
Air connection: G1/4"
Operating pressure: standard type: 1,6 bar
 other types: ...c: 3 bar, ...d: 6 bar

Accessories, special types:

I/P-Positioner, control signal 4...20 mA (see page 390 8)
P/P-Positioner, control signal 0,2...1,0 bar (see page 390 3)
Electro-pneum. transformer (see page 390 3)
Solenoid valve for operating air (see page 393)
Limit switches (see page 39e)
Inductive limit switches (on request)
Manual operating device (see page 39h)
Other Kvs- values (on request)
Weld-on ends (on request)
Flange drillings acc. to ANSI / JIS (on request)

Order text:

Pneumatic control valve in three way form, with mixing plug
Material . . . , PN . . . , DN . . . , Kvs . . .
Spindle sealing with PTFE-V-ring unit
Spring closes (opens) straightway A-AB
Control signal . . . - . . . bar, closing pressure . . . bar
List-No.: PN16: 331 4 . . . , PN25: 331 5 . . . , PN40: 331 7 . . . , PN40: 331 E . .
Accessories: . . .



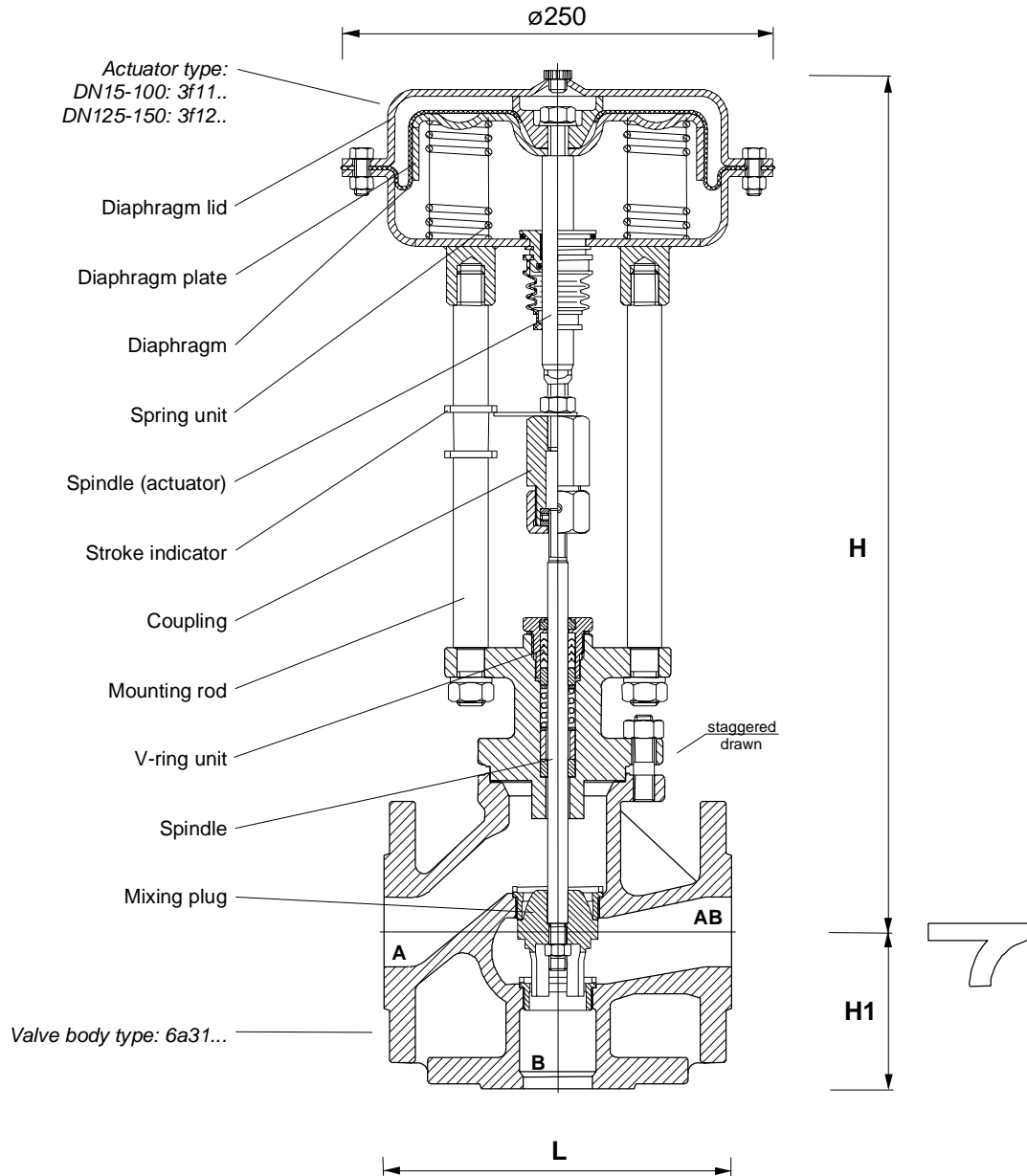
Pressure-temperature ratings acc. to DIN EN 1092-1/2:

by:	-10...50	100	150	200	250	300	350	400	450	°C*
PN16 331 4 EN-GJS-400-18-LT	16	16	15,5	14,7	13,9	12,8	11,2	-	-	bar
PN25 331 5 EN-GJS-400-18-LT	25	25	24,3	23	21,8	20	17,5	-	-	bar
PN40 331 7 GP240GH+N	40	37,3	34,7	30,2	28,4	25,8	24	23,1	13,2	bar
PN40 331 E GX5CrNiMo19-11-2	40	37,3	33,8	31,1	29,3	27,6	26,7	25,6	-	bar

* = max. 250°C for spindle sealing with PTFE-V-ring unit

DN	List-No.				Kvs m ³ /h	Stroke mm	Closing pressure** (bar) for control signal...		
	PN16	PN25	PN40	PN40			0,4...1,2bar: standard	1,0...2,0bar: type ...c	2,0...4,0bar: type ...d
15	331 400.	331 500.	331 700.	331 E00.	4,0	20	17,9	40,0	
20	331 401.	331 501.	331 701.	331 E01.	6,3	20	17,9	40,0	
25	331 402.	331 502.	331 702.	331 E02.	10	20	11,1	37,3	40,0
32	331 403.	331 503.	331 703.	331 E03.	16	20	6,3	22,8	40,0
40	331 404.	331 504.	331 704.	331 E04.	25	20	3,6	14,4	32,4
50	331 405.	331 505.	331 705.	331 E05.	40	20	1,9	8,9	20,7
65	331 406.	331 506.	331 706.	331 E06.	63	30	0,6	4,8	11,9
80	331 408.	331 508.	331 708.	331 E08.	100	30		3,0	7,7
100	331 410.	331 510.	331 710.	331 E10.	160	30		1,7	4,7
125	331 412.	331 512.			230	35		0,7	2,5
150	331 415.	331 515.			330	38			1,6

** = higher closing pressures and DN>200 on request, DN200: see page 3314/520Sg



DN	15	20	25	32	40	50	65	80	100	125	150
Height H	458	472	466	473	480	483	525	526	533	685	700
Stud length H1	65	70	75	80	90	100	120	130	150	200	210
Length L	130	150	160	180	200	230	290	310	350	400	480
Weight kg	17	18	19	22	23	26	42	47	61	115	137