

RE 29 115-M/07.00

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4/2 and 4/3 way proportional directional valve, pilot operated, without electrical feedback, seawater resistant Types 4WRZ...J and 4WRH...J

When compared to the standard version the following modifications have been carried out:

- The external metal components have been zinc galvanised (solenoid, housing) and aluminium nickel plated (component plug). The electronic's housing is made from plastic.
- Seawater resistance is identified by the code „J“ in the ordering code

Note:

The valve fixing screws must be separately ordered:

Nom. size 10:	4 off M6 x 45 DIN 912-10.9 NEL ¹⁾ ;	$M_A = 15.5 \text{ Nm}$,	Material No. 00230417
Nom. size 16:	4 off M10 x 60 DIN 912-10.9 NEL ¹⁾ ;	$M_A = 75 \text{ Nm}$,	Material No. 00011397
	2 off M6 x 60 DIN 912-10.9 NEL ¹⁾ ;	$M_A = 15.5 \text{ Nm}$,	Material No. 00230418
Nom. size 25:	6 off M12 x 60 DIN 912-10.9 NEL ¹⁾ ;	$M_A = 130 \text{ Nm}$,	Material No. 00011399
Nom. size 32:	6 off M20 x 80 DIN 912-10.9 A3C oder NEL ¹⁾ ;	$M_A = 430 \text{ Nm}$,	Material No. 00011429

¹⁾ The code NEL stands for non-electrolytically applied zinc coatings which contain a lubrication additive for the reduction of friction in accordance with ISO/WD 10683, colour silver.

Further information can be obtained from the standard documentation RE 29 115.

Ordering details

4WR _ _ _ _ -7X / _ _ _ J / _ _ _ *									
Nominal sizes 10 to 32									
Symbols									
Nominal flow in L/min bei a valve pressure differential $\Delta p = 10 \text{ bar}$ For nominal size 10 = 25 = 50 = 85 For nominal size 16 = 100 = 150 For nominal size 25 = 220 = 325 For nominal size 32 = 360 = 520									
M = NBR seals suitable for mineral oil (HL, HLP) to DIN 51 524 V = FKM seals No code = Without pressure reducing valve J = Seawater resistant No code = Without hand override N9 = With protected hand override									

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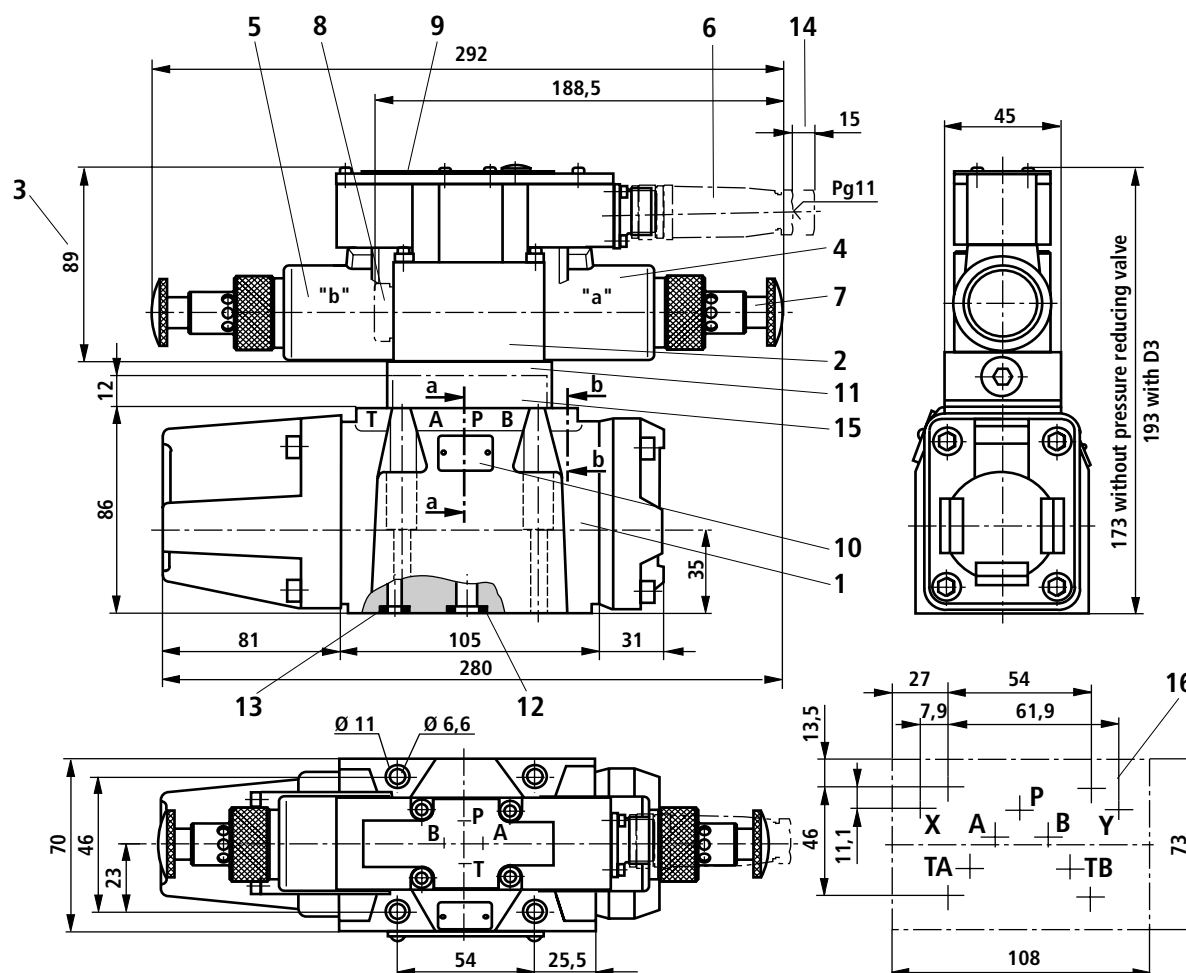
Preferred types

Type	Material No.	Type	Material No.
4WRZ 10 W6-85-7X/6EG24NJETK31/M	00970567	4WRH 10 W6-50-7X/J/V	00953349
4WRZ 25 W6-325-7X/6EG24NJETK31/D3M	00959201	4WRH 10 W6-85-7X/J/M	00964459
4WRZ 25 W6-325-7X/6EG24NJETK31/D3V	00966151	4WRH 16 E100-7X/J/V	00952488
4WRZ 32 W6-520-7X/6EG24NJETK31/D3M	00970568	4WRH 16 W6-150-7X/J/M	00967471
4WRZ 32 W6-520-7X/6EG24NJK31/V	00961666	4WRH 25 W6-325-7X/J/V	00963762

Unit dimensions:

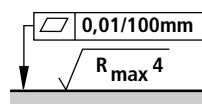
(Dimensions in mm)

NS 10



- 1 Main valve
- 2 Pilot control valve
- 3 Dimension for version „4WRZ...J“
- 4 Proportional solenoid „a“
- 5 Proportional solenoid „b“
- 6 Plug-in connector to E-DIN 43 563, separate order
- 7 Hand override
- 8 Cover for valves with one solenoid
- 9 Pilot control valve name plate
- 10 Main valve name plate
- 11 Pressure reducing valve

- 12 R-ring 13 x 1.6 x 2; ports A, B, P, T
- 13 R-ring 11.18 x 1.6 x 1.78; ports X, Y
- 14 Space required to remove the plug-in connector
- 15 Conversion plate (type 4WRH...)
- 16 Machined valve mounting surface, port locations to DIN 24 340 form A, ISO 4401 and CETOP-RP121H (X, Y on request)

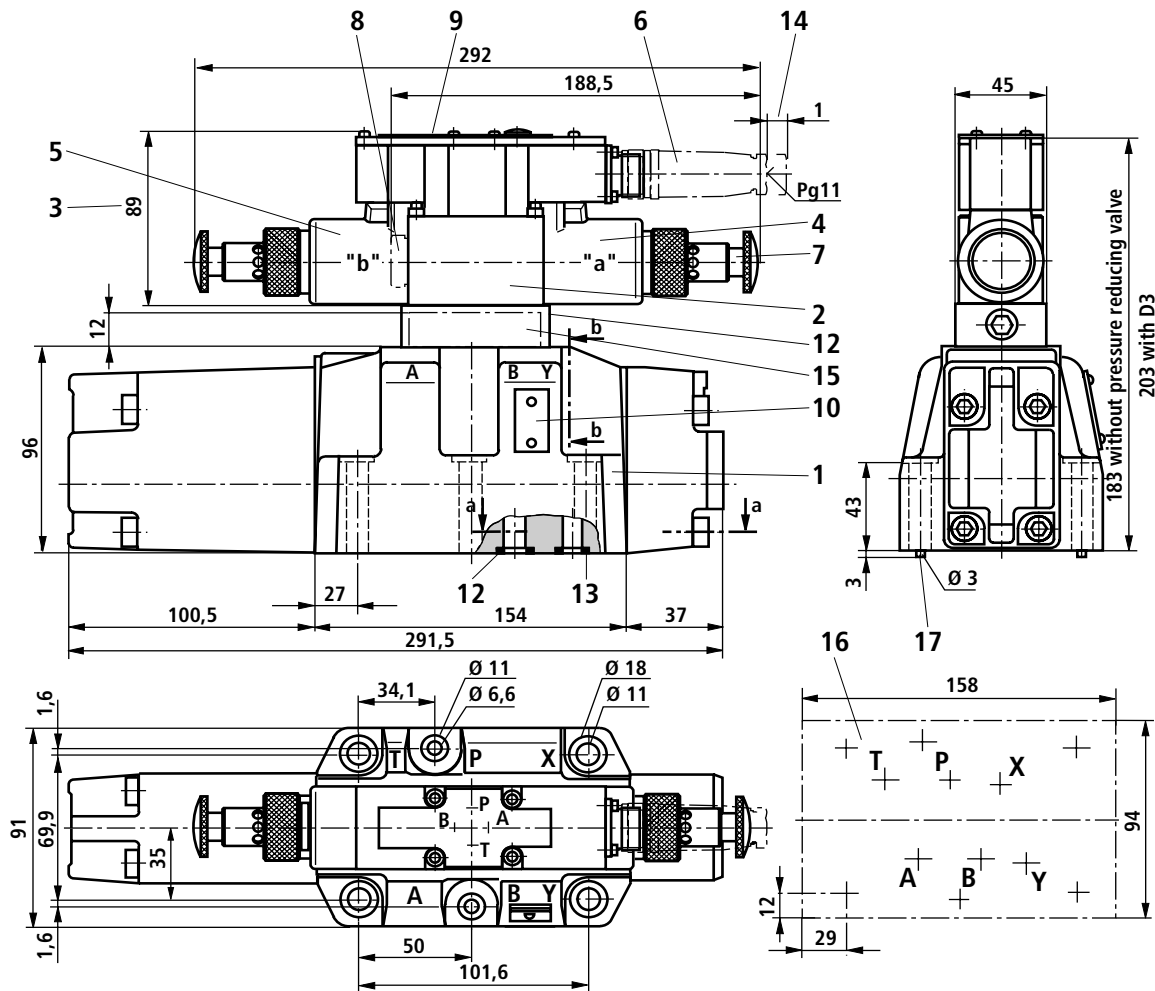


Required surface finish of mating piece

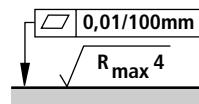
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Unit dimensions:

(Dimensions in mm) **NS 16**



- 1 Main valve
- 2 Pilot control valve
- 3 Dimension for version „4WRZE...J“
- 4 Proportional solenoid „a“
- 5 Proportional solenoid „b“
- 6 Plug-in connector to E-DIN 43 563, separate order
- 7 Hand override
- 8 Cover for valves with one solenoid
- 9 Pilot control valve name plate
- 10 Main valve name plate
- 11 Pressure reducing valve
- 12 R-ring 22.53 x 2.3 x 2.62; ports A, B, P, T



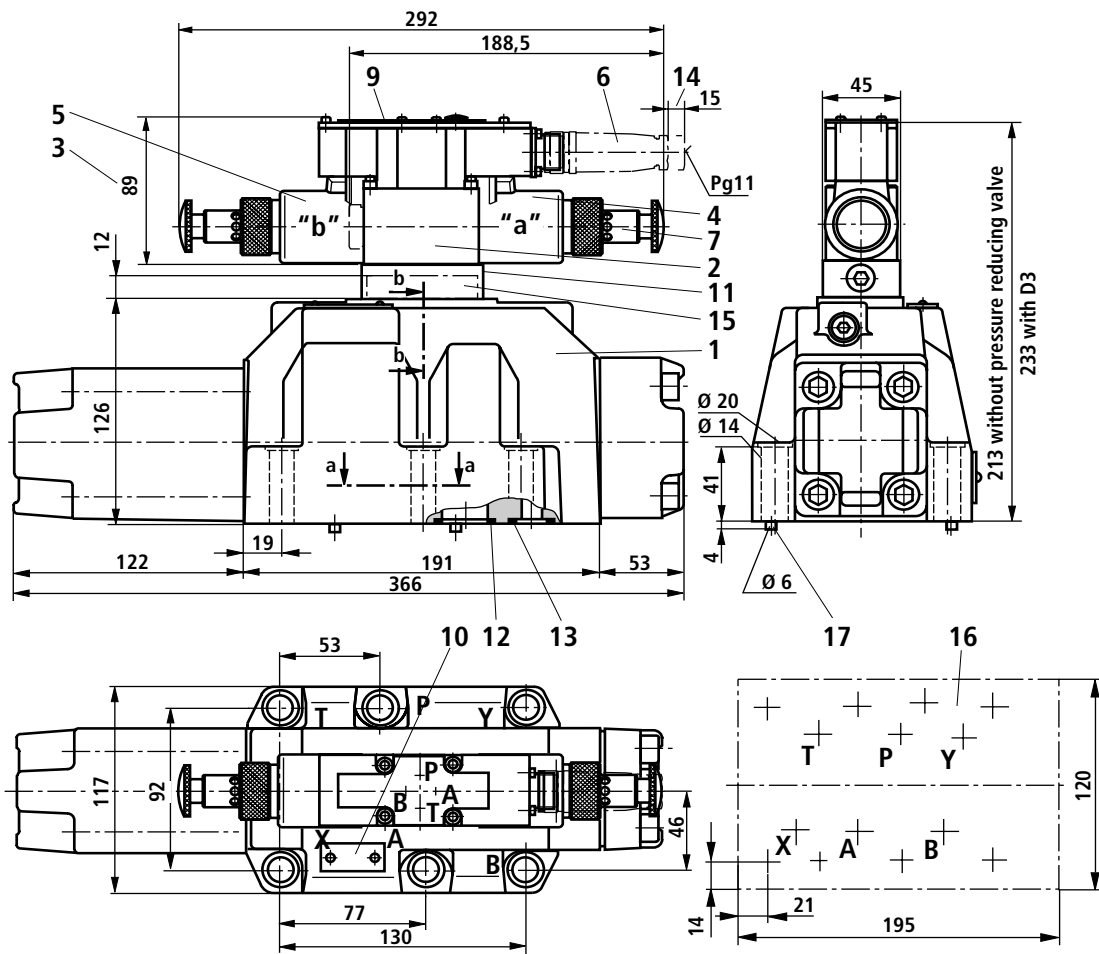
Required surface finish of mating piece

- 13 R-ring 10 x 2 x 2; ports X, Y
- 14 Space required to remove the plug-in connector
- 15 Conversion plate (type 4WRH...)
- 16 Machined valve mounting surface, port locations to DIN 24 340 form A, ISO 4401 and CETOP-RP121H
- 17 Locating pin

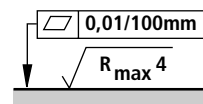
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Unit dimensions:

(Dimensions in mm) **NS 25**



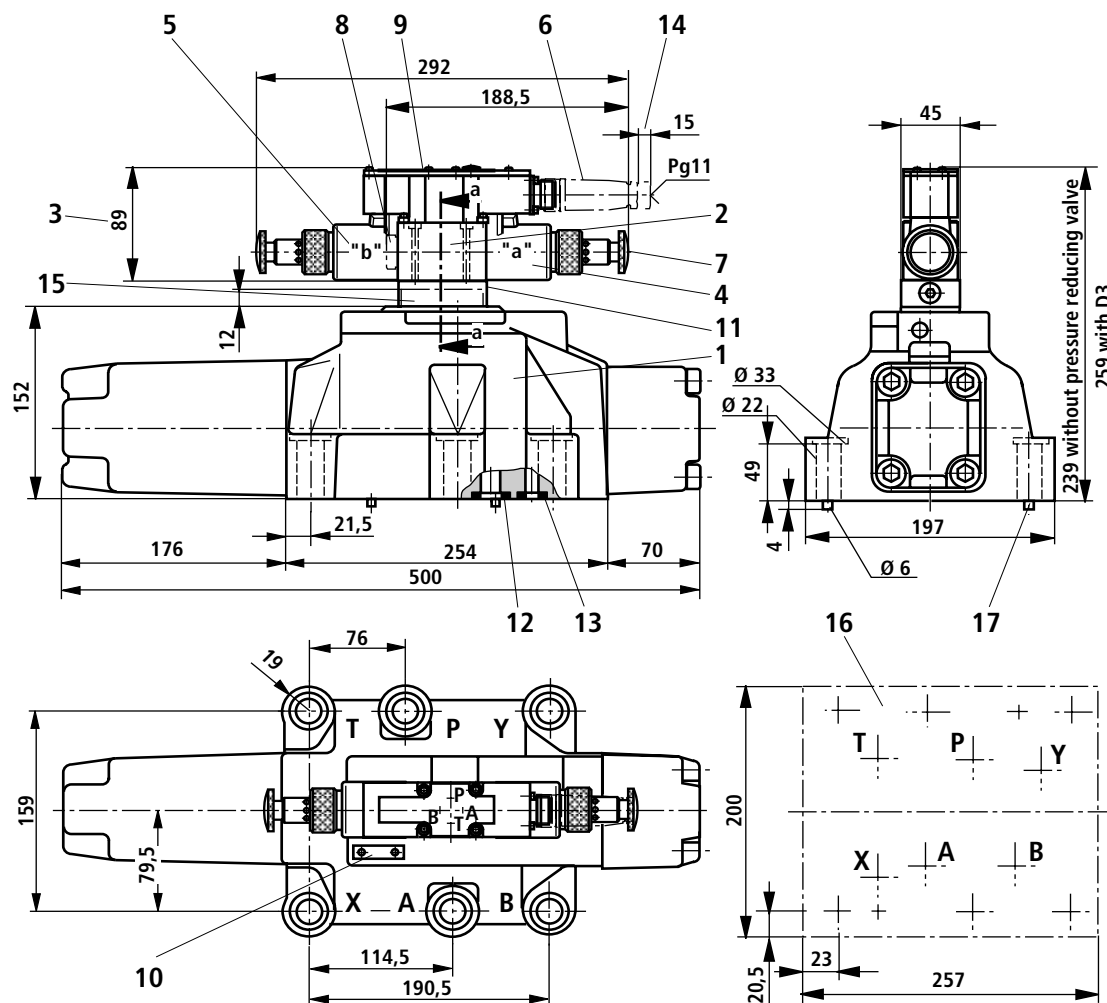
- 1 Main valve
- 2 Pilot control valve
- 3 Dimension for version „4WRZE...J“
- 4 Proportional solenoid „a“
- 5 Proportional solenoid „b“
- 6 Plug-in connector to E-DIN 43 563, separate order
- 7 Hand override
- 8 Cover for valves with one solenoid
- 9 Pilot control valve name plate
- 10 Main valve name plate
- 11 Pressure reducing valve



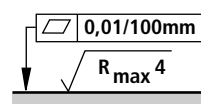
Required surface finish of mating piece

- 12 R-ring 27.8 x 2.6 x 3; ports A, B, P, T
- 13 R-ring 19 x 3 x 3; ports X, Y
- 14 Space required to remove the plug-in connector
- 15 Conversion plate (type 4WRH...)
- 16 Machined valve mounting surface, port locations to DIN 24 340 form A, ISO 4401 and CETOP-RP121H
- 17 Locating pin

Unit dimensions:

(Dimensions in mm) **NS 32**

- 1 Main valve
- 2 Pilot control valve
- 3 Dimension for version „4WRZE...J“
- 4 Proportional solenoid „a“
- 5 Proportional solenoid „b“
- 6 Plug-in connector to E-DIN 43 563, separate order
- 7 Hand override
- 8 Cover for valves with one solenoid
- 9 Pilot control valve name plate
- 10 Main valve name plate
- 11 Pressure reducing valve



Required surface finish of mating piece

- 12 R-ring 42.5 x 3 x 3; ports A, B, P, T
- 13 R-ring 19 x 3 x 3; ports X, Y
- 14 Space required to remove the plug-in connector
- 15 Conversion plate (type 4WRH...)
- 16 Machined valve mounting surface, port locations to DIN 24 340 form A, ISO 4401 and CETOP-RP121H
- 17 Locating pin