

### Main Features

- Process flanges for chemical seals D914, D918, D944
- Flange class 1500 or 2500
- DN15 to DN50
- Stainless steel 1.4404 NACE

### Applications

- Oil & Gas / Chemical
- Energy

### Technical Data

Process flange	Class 1500 or 2500 as per EN1759-1 or ANSI B16-5 DN15 (NPS 1/2") to DN50 (NPS 2") Raised face (B/RF) or ring joint face (J/RTJ) Integrated steam tracing circuit: 1/4 NPT inlet/ outlet, Ø 8 mm drilling Bolts ISO (metric) or ASME (UNC) <b>Drain/vent valve</b> Class 1500: stainless steel needle valve SW1/4" OD10 Class 2500: double block needle valve SW1/2" OD12
Maximum pressure	Depending on class, temperature and material, (see chemical seals data sheet): D914 (data sheet A42.06) D918 (data sheet A42.17) D944 (data sheet A42.10)

### Material

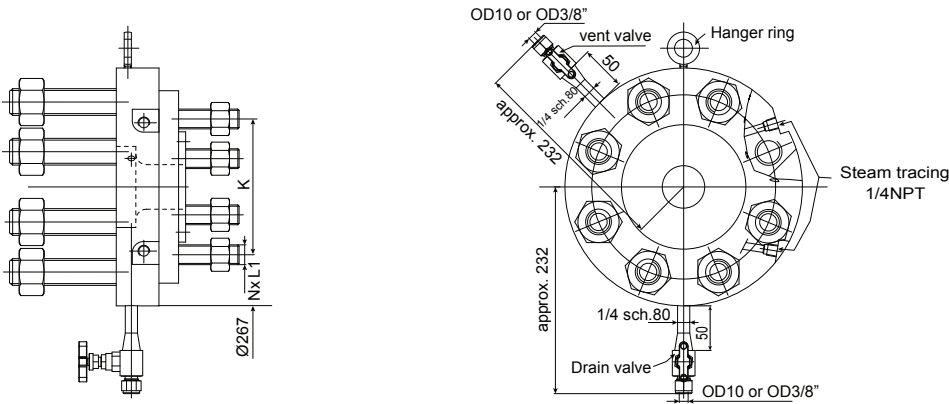
Sealing joint	1 RTJ gasket stainless steel 316L:
Chemical seal side	R35 for D914 R32 for D918 R24 for D944
Process flange	Forged stainless steel 1.4404 EN 10222-5 Compliant with NACE MR 0103 or MR 0175
Bolting	
D918	Chemical seal side ASTM A193 B8M cl.2/A194 8M Process side ASTM A193 B7M/A194 2HM
D914/D944	Process side and chemical seal side ASTM A193 B7M/A 194 2HM

### Options

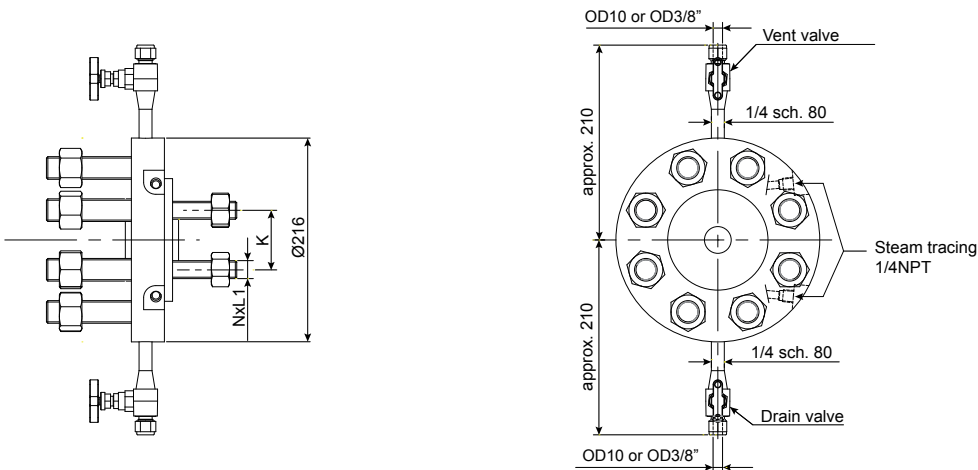
Flange material	Please contact Baumer for other material
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## Dimensions (mm) BRD914 - BRD944

### BRD914



### BRD944

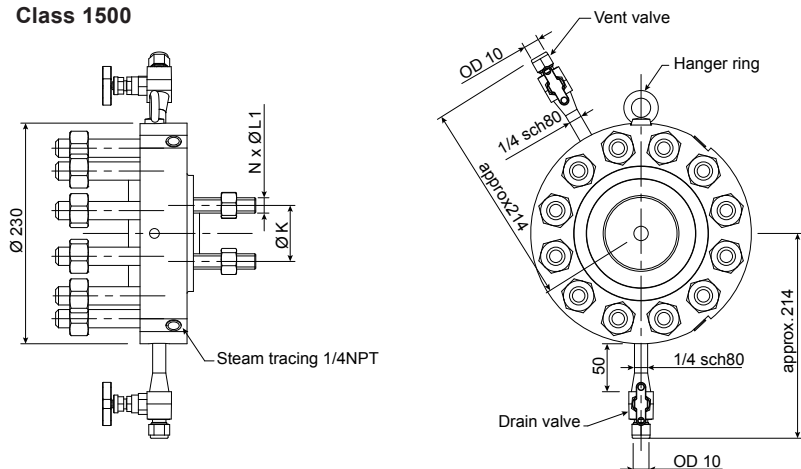


DN	Class	$\varnothing K$	$\varnothing L1$ ISO	$\varnothing L1$ ASME	N	D914 Weight kg	D944 Weight kg	N° GRTJ <sup>(1)</sup>
20 3/4"	1500	88.9	M20	3/4" UNC	4	34	17	R 14
25 1"	1500	101.6	M24	7/8" UNC	4	36	20	R 16
40 1 1/2"	1500	123.8	M27	1" UNC	4	37	22	R 20
50 2"	1500	165.1	M24	7/8" UNC	8	39	18	R 24

<sup>(1)</sup> Number of the RTJ groove in case of RTJ flange on process side. Gasket not supplied.

## Dimensions (mm) BRD918

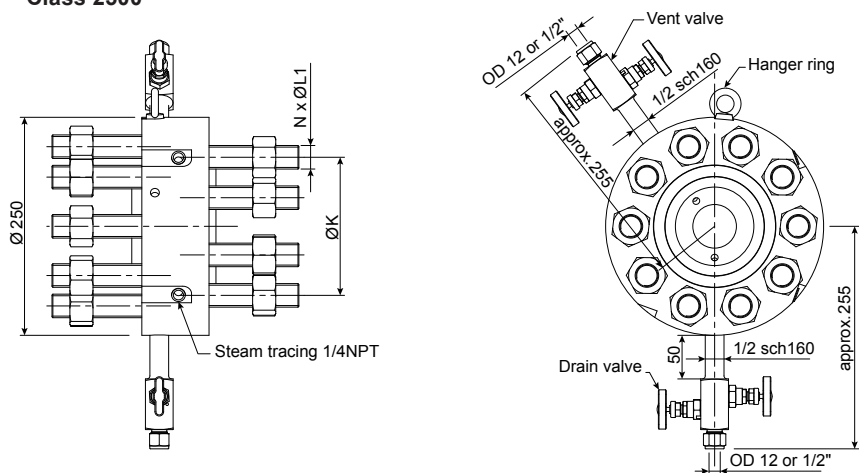
### Class 1500



DN	Class	Ø K	ØL1 ISO	ØL1 ASME	N	Weight kg	N° GRTJ <sup>(1)</sup>
15 1/2"	1500	82.6	M20	3/4" UNC	4	20	R 12
20 3/4"	1500	88.9	M20	3/4" UNC	4	21	R 14
25 1"	1500	101.6	M24	7/8" UNC	4	22	R 16
40 1 1/2"	1500	123.8	M27	1" UNC	4	26	R 20
50 2"	1500	165.1	M24	7/8" UNC	8	30	R 24

<sup>(1)</sup> Number of the RTJ groove in case of RTJ flange on process side. Gasket not supplied.

### Class 2500



DN	Class	Ø D	Ø K	ØL1 ISO	ØL1 ASME	N	Weight kg	N° GRTJ <sup>(1)</sup>
15 1/2"	2500	250	88.9	M20	3/4" UNC	4	27.5	R13
20 3/4"	2500	250	95.2	M20	3/4" UNC	4	28.5	R16
25 1"	2500	250	107.9	M24	7/8" UNC	4	32.5	R18
40 1 1/2"	2500	250	146.0	M30	1" 1/8 UNC	4	38.5	R23
50 2"	2500	250	171.4	M27	1" UNC	8	42.5	R26

<sup>(1)</sup> Number of the RTJ groove in case of RTJ flange on process side. Gasket not supplied.

## Ordering details BRD914-BRD918-BRD944

	BRD9xx	-	x	M	x	x	x	x	x	x	x	x
<b>Flange</b>												
Flange for chemical seal D914	BRD914											
Flange for chemical seal D918	BRD918											
Flange for chemical seal D944	BRD944											
<b>Flange standard</b>												
ANSI B16-5												2
EN 1759-1												6
<b>Flange material</b>												
Forged NACE compliant 1.4404 stainless steel											M	
<b>PN / Class</b>												
Class 1500												5
Class 2500 <sup>(1)</sup>												6
<b>DN / NPS</b>												
NPS 1/2" (DN15)												2
NPS 3/4" (DN20)												3
NPS 1" (DN25)												4
NPS 1 1/2" (DN40)												6
NPS 2" (DN50)												7
<b>Flange face type</b>												
Raised face (RF)												R
Ring joint face (RTJ)												Q
<b>Flange face finish</b>												
Standard finish												0
<b>Bolts</b>												
ISO (metric) <sup>(2)</sup>												M
ASME (UNC)												A
<b>Heat tracing circuit</b>												
None												0
With												1
<b>Drain valve</b>												
None												0
SW1/4" OD10 needle valve <sup>(3)</sup>												1
SW1/4" OD3/8" needle valve <sup>(3)</sup>												9
Double block needle valve SW1/2" OD12												E
Double block needle valve SW1/2" OD1/2"												F
<b>Vent valve</b>												
None												0
SW1/4" OD10 needle valve <sup>(3)</sup>												1
SW1/4" OD3/8" needle valve <sup>(3)</sup>												9
Double block needle valve SW1/2" OD12												E
Double block needle valve SW1/2" OD1/2"												F

<sup>(1)</sup> Only D918

<sup>(2)</sup> Except flanges ANSI B16-5

<sup>(3)</sup> Only class 1500