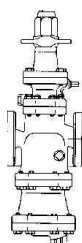


1 Druck- und Temperaturregelung

DRUCKMINDERER / REDUZIERSTATIONEN / ÜBERSTÖMREGLER COS-SERIE

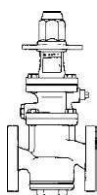


COS-16				
max. 16 bar	5.3103	Flansch	DN 15	1295957
220 °C	Sphäroguss	PN 25/40	DN 20	1295960
			DN 25	1295968
preisgleich erhältlich:			DN 40	1295973
COS-3 (Pmax 3 bar)			DN 50	1295978
COS-21 (Pmax 21 bar)			DN 65	1295983
			DN 80	1295984
			DN 100	1295985

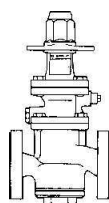


COS-16				
max. 16 bar	CF8M	Flansch	DN 15	1086156
220 °C	Edelstahl	PN 25/40	DN 20	1086157
			DN 25	1086158
preisgleich erhältlich:			DN 40	1086159
COS-3 (Pmax 3 bar)			DN 50	1086160
COS-21 (Pmax 21 bar)				

COSR-SERIE

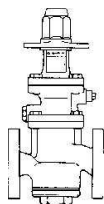


COSR-16				
max. 16 bar	5.3103	Flansch	DN 15	1295990
220 °C	Sphäroguss	PN 25/40	DN 20	1295993
			DN 25	1296021
preisgleich erhältlich:			DN 32	1296038
COSR-3 (Pmax 3 bar)			DN 40	1296045
COSR-21 (Pmax 21 bar)			DN 50	1296059
			DN 65	1296074
			DN 80	1296076
			DN 100	1296077
			DN 150	1296080



COSR-16				
max. 16 bar	CF8M	Flansch	DN 15	1086168
220 °C	Edelstahl	PN 25/40	DN 20	1086169
			DN 25	1086170
preisgleich erhältlich:			DN 32	1086171
COSR-3 (Pmax 3 bar)			DN 40	1086172
COSR-21 (Pmax 21 bar)			DN 50	1086173

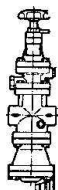
SP-COSR-SERIE (Überströmregler)



SP-COSR-16				
16 bar/220 °C	5.3103	Flansch	DN 15	1296741
	Sphäroguss	PN 25/40	DN 20	1296297
			DN 25	1296302
			DN 32	1342473
			DN 40	1296312
			DN 50	1296318

KLEINDRUCKREGLER / KLEINDRUCKREDUZIERSTATIONEN

SCOS-SERIE



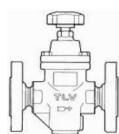
S-COS 16				
16 bar/220 °C	BC6	Rp (BSP)	1/2"	1344288
	Rotguss		3/4"	1344618
			1"	1344619

SCOSR-SERIE



S-COSR 16				
16 bar/220 °C	BC6	Rp (BSP)	1/2"	1344620
	Rotguss		3/4"	1344621
			1"	1344622

DR20-SERIE

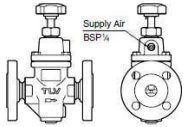


DR20				
DR20-2	CF8	Flansch	DN 15	1338205
DR20-6	Edelstahl	PN 40	DN 15	1338208
DR20-10			DN 15	1338171
DR20-2			DN 20	1338206
DR20-6			DN 20	1338209
DR20-10			DN 20	1338172
DR20-2			DN 25	1338207
DR20-6			DN 25	1338210
DR20-10			DN 25	1338173

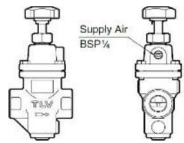


DR20				
DR20-2	CF8	Rp (BSP)	1/2"	1338149
DR20-6	Edelstahl		1/2"	1338152
DR20-10			1/2"	1338155
DR20-2			3/4"	1338150
DR20-6			3/4"	1338153
DR20-10			3/4"	1338156
DR20-2			1"	1338151
DR20-6			1"	1338154
DR20-10			1"	1338157
16 bar/220 °C				

PN-DR-SERIE



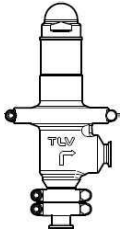
PN-DR				
PN-DR-2	CF8	Flansch	DN 15	
PN-DR-6	Edelstahl	PN 40	DN 15	
PN-DR-2			DN 20	
PN-DR-6			DN 20	
PN-DR-2			DN 25	
PN-DR-6			DN 25	1078702
16 bar/220 °C				



PN-DR				
PN-DR-2	CF8	Rp (BSP)	1/2"	1350047
PN-DR-6	Edelstahl		1/2"	1350050
PN-DR-2			3/4"	1350048
PN-DR-6			3/4"	1350051
PN-DR-2			1"	1350049
PN-DR-6			1"	1350052
16 bar/220 °C				

DR8-SERIE

für Sterilprozesse



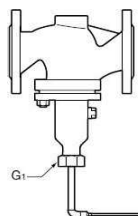
DR8-3P				
8 bar/175 °C		ISO 2852 Clamp		
	1.4409	(34x15.2)	DN 15	1040964
	Edelstahl	(34x19.3)	DN 20	1040965
		(50.5x22.6)	DN 25	1040966
DR8-3P				
8 bar/175 °C		ASME-BPE Clamp		
	1.4409	(25x9.4)	DN 15	1040967
	Edelstahl	(25x15.75)	DN 20	1040968
		(50.5x22.1)	DN 25	1040969
DR8-6P				
8 bar/175 °C		ISO 2852 Clamp		
	1.4409	(34x15.2)	DN 15	1041233
	Edelstahl	(34x19.3)	DN 20	1041243
		(50.5x22.6)	DN 25	1041253
DR8-6P				
8 bar/175 °C		ASME-BPE Clamp		
	1.4409	(25x9.4)	DN 15	
	Edelstahl	(25x15.75)	DN 20	
		(50.5x22.1)	DN 25	
DR8-3EP				
8 bar/175 °C		ISO 2852 Clamp		
	1.4409	(34x15.2)	DN 15	
	Edelstahl	(34x19.3)	DN 20	
		(50.5x22.6)	DN 25	

DR8-3EP				
8 bar/175 °C		ASME-BPE Clamp		
	1.4409	(25x9.4)	DN 15	
	Edelstahl	(25x15.75)	DN 20	1041282
		(50.5x22.1)	DN 25	1041292
DR8-6EP				
8 bar/175 °C		ISO 2852 Clamp		
	1.4409	(34x15.2)	DN 15	
	Edelstahl	(34x19.3)	DN 20	
		(50.5x22.6)	DN 25	
DR8-6EP				
8 bar/175 °C		ASME-BPE Clamp		
	1.4409	(25x9.4)	DN 15	
	Edelstahl	(25x15.75)	DN 20	
		(50.5x22.1)	DN 25	

TEMPERATURREGLER OHNE HILFSENERGIE TC1-SERIE

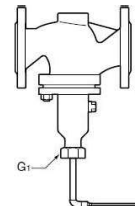
nicht druckentlastet

Ventil 2111				
13 bar/200°C	EN-GJL-250	Flansch	DN 15	
	Grauguss	PN 16	DN 20	
			DN 25	
			DN 32	1A16788
			DN 40	1A18983
			DN 50	1A16789
Ventil 2111				
16 bar/220°C	EN-GJS-400-18-LT	Flansch	DN 15	1A15012
	Sphäroguss	PN 25	DN 20	1A26899
			DN 25	1A15019
			DN 32	
			DN 40	
			DN 50	1A21671
Ventil 2111				
16 bar/220°C	1.0619	Flansch	DN 15	
	Stahlguss	PN 40	DN 20	
			DN 25	
			DN 32	
			DN 40	
			DN 50	



TC2-SERIE

druckentlastet



Ventil 2422 (2114)				
13 bar/200°C	EN-GJL-250	Flansch	DN 15	1A23449
	Grauguss	PN 16	DN 20	1A27779
			DN 25	1A24098
			DN 32	1A18397
			DN 40	1A16438
			DN 50	1A16648

Ventil 2422 (2114)				
16 bar/220°C	EN-GJS-400-18-LT	Flansch	DN 15	
	Sphäroguss	PN 25	DN 20	
			DN 25	
			DN 32	
			DN 40	1A26133
			DN 50	
Ventil 2422 (2114)				
16 bar/220°C	1.0619	Flansch	DN 15	
	Stahlguss	PN 40	DN 20	
			DN 25	
			DN 32	
			DN 40	
			DN 50	

Thermostat für TC1 / TC2



Typ 2231				
Sollwertbereich 20 bis 120°C				1A15025
andere Bereiche auf Anfrage				
Verbindungsrohr L = 5 m				

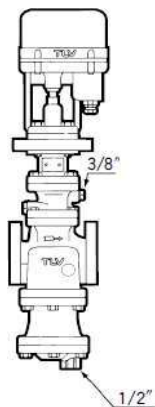
OPTIONEN FÜR TC-SERIE

Optionen für TC-Serie				
	längeres Verbindungsrohr		10 m	
	Fühler aus CrNiMo-Stahl			
	Ventil kompl. Edelstahl			
	Kegel weichdichtend			
Tauchhülse aus	Bronze PN40		G 1"	
	C-Stahl PN40		G 1"	
	CrNiMo-Steel PN40		G 1"	

DRUCK- / TEMPERATURREGELSYSTEME / PNEUMATISCHE STELLVENTILE

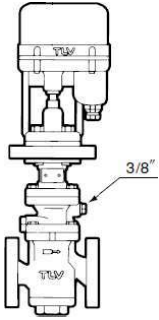
MC-COS-SERIE

mit integr. Zyklontrockner



MC-COS-16				
16 bar/220 °C	5.3103	Flansch	DN 15	1A10360
	Sphäroguss	PN 25/40	DN 20	1A10361
			DN 25	1A10362
inkl. Antrieb			DN 40	1A10363
230V / 50Hz			DN 50	1A10364
Stellsignal 4-20 mA			DN 65	1A10365
			DN 80	1A10366
			DN 100	1A10367
MC-COS-16				
3 bzw. 16 bar/220 °C	CF8M	Flansch	DN 15	1A10368
	Edelstahl	PN 25/40	DN 20	1A10369
			DN 25	1A10370
			DN 40	1A10371
			DN 50	1A10372

MC-COSR-SERIE



MC-COSR-16				
3 bzw. 16 bar/220 °C	5.3103	Flansch	DN 15	1A10346
	Sphäroguss	PN 25/40	DN 20	1A10347
			DN 25	1A10348
inkl. Antrieb			DN 32	1A10349
230V / 50Hz			DN 40	1A10350
Stellsignal 4-20 mA			DN 50	1A10351
			DN 65	1A10352
			DN 80	1A10353
			DN 100	1A10354
			DN 150	
MC-COSR-16				
3 bzw. 16 bar/220 °C	CF8M	Flansch	DN 15	1A10355
	Edelstahl	PN 25/40	DN 20	1A10356
			DN 25	1A10357
			DN 40	1A10358
			DN 50	1A10359

UNIVERSALREGLER (z.B. für CT16, CV-COS)



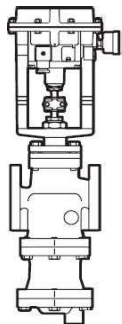
TROVIS 6493-03				
Eingänge 2 x analog 0(4) – 20 mA oder 0(2) – 10 V				1A04314
Widerstandsthermometer				
Binäreingang				
Ausgänge wahlweise ein stetiger, ein Zweipunkt- oder ein Dreipunktausgang				



TROVIS 6495-2				
Eingänge 4 x analog 0(4) – 20 mA oder 0(2) – 10 V				1A04315
Widerstandsthermometer				
4 x digital				
Ausgänge 3 x analog 0(4) – 20 mA oder 0(2) – 10 V				
7 x digital (4 Relais- und 3 Transistorausgänge)				

CV-COS-(16)-SERIE

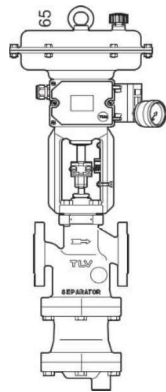
mit integr. Zyklontrockner



CV-COS-16				
	EN-GJS-400-18-LT	Flansch	DN 15	1A20986
21 bar/220°C	Sphäroguss	PN 25	DN 20	1A20987
			DN 25	1A20988
17 bar/220°C			DN 40	1A20989
11 bar/220°C			DN 50	1A20990
CV-COS				
16 bar/220°C	CF8	Flansch	DN 15	1A04433
	Edelstahl	PN 40	DN 20	1A04434
			DN 25	1A04435
10 bar/220°C			DN 40	1A04436
			DN 50	1A04437

CV-COS-20D-SERIE

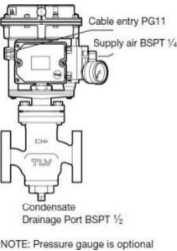
mit integr. Zyklontrockner



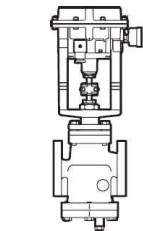
CV-COS-20D				
20 bar bzw. 22 bar/220 °C	EN-GJS-400-18-LT	Flansch	DN 15	1A21008
	Sphäroguss	PN 25	DN 20	1A21009
			DN 25	1A21010
			DN 40	1A21011
			DN 50	1A21012
			DN 65	1A21013
			DN 80	1A21014
			DN 100	1A21015

CT16- / CV-COSR-SERIE

mit Entwässerungsstutzen



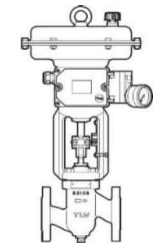
CT16				
17 bar/220°C	EN-GJS-400-18-LT	Flansch	DN 15	1A20980
	Sphäroguss	PN 25	DN 20	1A20981
			DN 25	1A20982
			DN 32	1A20983
			DN 40	1A20984
11 bar/220°C			DN 50	1A20985



CV-COSR				
16 bar/220°C	CF8	Flansch	DN 15	1A04443
	Edelstahl	PN 40	DN 20	1A04444
			DN 25	1A04445
			DN 32	1A04453
			DN 40	1A04446
10 bar/220°C			DN 50	1A04447

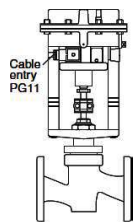
CT20-D-SERIE

mit Entwässerungsstutzen



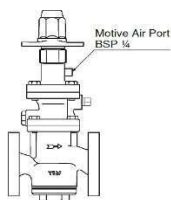
CT-20D				
20 bar bzw. 22 bar/220 °C	EN-GJS-400-18-LT	Flansch	DN 15	1A20998
	Sphäroguss	PN 40	DN 20	1A20999
			DN 25	1A21000
			DN 32	1A21001
			DN 40	1A21002
			DN 50	1A21003
			DN 65	1A21004
			DN 80	1A21005
			DN 100	1A21006
12 bar/220 °C			DN 150	1A21007

CV-SERIE



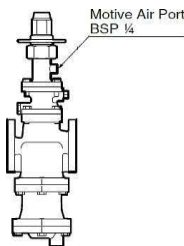
CV5				
13 bar/200°C	EN-GJL-250	Flansch	DN 15	1A05420
	Grauguss	PN 16	DN 20	1A05421
inkl. Pneum.			DN 25	1A05422
Antrieb und			DN 32	1A05423
Stellungsregler			DN 40	1A05424
			DN 50	1A05425
CV5				
16 bar/220°C	1.0619	Flansch	DN 15	1A05402
	Stahlguss	PN 40	DN 20	1A05403
			DN 25	1A05404
inkl. Pneum.			DN 32	1A05405
Antrieb und			DN 40	1A05406
Stellungsregler			DN 50	1A05407

PN-COSR



PN-COSR 16				
16 bar	5.3103	Flansch	DN 15	1035567
220 °C	Sphäroguss	PN 25/40	DN 20	1035569
			DN 25	1035571
			DN 40	1035573
			DN 50	1035575
PN-COSR 16				
16 bar	CF8	Flansch	DN 15	1035586
220 °C	Edelstahl	PN 25/40	DN 20	1035588
			DN 25	1035590
			DN 40	1035592
			DN 50	1035597

PN-COS

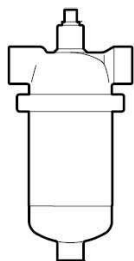


PN-COS 16				
16 bar	5.3103	Flansch	DN 15	1024401
220 °C	Sphäroguss	PN 25/40	DN 20	1024402
			DN 25	1024403
			DN 40	1024404
			DN 50	1024405
PN-COS 16				
16 bar	CF8	Flansch	DN 15	1024443
220 °C	Edelstahl	PN 25/40	DN 20	1024444
			DN 25	1024448
			DN 40	1024449
			DN 50	1024450

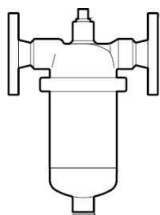
2 Dampffilter / Zyklontrockner

DAMPFFILTER SF-SERIE

Trockner-Filter



SF1				
0,5 µm	10 bar/185°C	Rp (BSP)	1/2"	1345174
2,0 µm	CF8		1/2"	1344816
5,0 µm	Edelstahl		1/2"	1345175
10 µm			1/2"	1070447
40 µm			1/2"	
0,5 µm			3/4"	1345186
2,0 µm			3/4"	1344819
5,0 µm			3/4"	1345187
10 µm			3/4"	
40 µm			3/4"	
0,5 µm			1"	1345198
2,0 µm			1"	1347647
5,0 µm			1"	1345199
10 µm			1"	1046767
40 µm			1"	
0,5 µm			1-1/2"	1345210
2,0 µm			1-1/2"	1345052
5,0 µm			1-1/2"	1345211
10 µm			1-1/2"	
40 µm			1-1/2"	
0,5 µm			2"	1345222
2,0 µm			2"	1345053
5,0 µm			2"	1345223
10 µm			2"	
40 µm			2"	
SF1				
0,5 µm	10 bar/185°C		15 mm	1345178
2,0 µm	CF8	Schweißmuffe	15 mm	1344820
5,0 µm	Edelstahl	ASME	15 mm	1345179
10 µm			15 mm	
40 µm			15 mm	
0,5 µm			20 mm	1345190
2,0 µm			20 mm	1344821
5,0 µm			20 mm	1345191
10 µm			20 mm	
40 µm			20 mm	
0,5 µm			25 mm	1345202
2,0 µm			25 mm	1344822
5,0 µm			25 mm	1345203
10 µm			25 mm	
40 µm			25 mm	
0,5 µm			40 mm	1345214
2,0 µm			40 mm	1344823
5,0 µm			40 mm	1345215
0,5 µm			50 mm	1345226
2,0 µm			50 mm	1344824
5,0 µm			50 mm	1345227



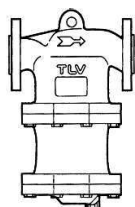
SF1				
0,5 µm	10 bar/185°C	Flansch	DN15	1345176
2,0 µm	CF8	PN 40	DN15	1345054
5,0 µm	Edelstahl		DN15	1345177
10 µm			DN15	
40 µm			DN15	1026113
0,5 µm			DN 20	1345188
2,0 µm			DN 20	1345055
5,0 µm			DN 20	1345189
10 µm			DN 20	
40 µm			DN 20	
0,5 µm			DN25	1345200
2,0 µm			DN25	1345056
5,0 µm			DN25	1345201
10 µm			DN25	1070443
40 µm			DN25	
0,5 µm			DN40	1345212
2,0 µm			DN40	1345057
5,0 µm			DN40	1345213
10 µm			DN40	
40 µm			DN40	1093286
0,5 µm			DN50	1345224
2,0 µm			DN50	1345058
5,0 µm			DN50	1345225
10 µm			DN50	1070445
40 µm			DN50	

ZYKLONTROCKNER DC3S-SERIE

Zyklontrockner für Dampf inkl.
Kondensatableiter

DC3S-21				
21 bar/220 °C	FCD450	Rp (BSP)	1/2"	1294938
	Sphäroguss		3/4"	1294939
			1"	1295312

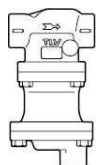
DC3S-21				
21 bar/220 °C	GGG40.3	Flansch	DN 15	1295645
	Sphäroguss	PN 40	DN 20	1295655
			DN 25	1295672
			DN 40	1295686
			DN 50	1295698
			DN 65	1295705
			DN 80	1295706
			DN 100	1295708

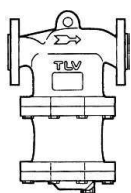


DC3A-10-SERIE

Zyklontrockner für Druckluft inkl.
Kondensatableiter

DC3A-10				
10 bar/100 °C	FCD450	Rp (BSP)	1/2"	1295552
	Grauguss		3/4"	1295555
			1"	1294941

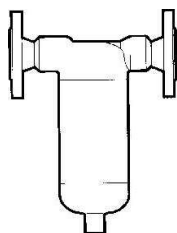




DC3A-10				
10 bar/100 °C	5.3103	Flansch	DN 15	1339211
	Sphäroguss	PN 40	DN 20	1341835
			DN 25	1052831
			DN 40	1295688
			DN 50	1055010
			DN 65	1055011
			DN 80	1055012
			DN 100	1297868

DC7-SERIE

Zyklontrockner für Dampf oder Druckluft

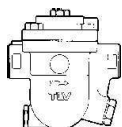


DC7				
25 bar/300 °C	CF8	Rp (BSP)	1/2"	1336694
	Edelstahl		3/4"	1336695
			1"	1336696
			1-1/2"	1336697
			2"	1336698
DC7				
25 bar/300 °C	CF8	Flansch	DN 15	1336709
	Edelstahl	PN 40	DN 20	1336710
			DN 25	1336711
			DN 40	1336712
			DN 50	1336713

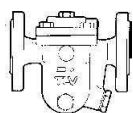
3 Kondensatableiter

KUGELSCHWIMMER-KONDENSATABLEITER

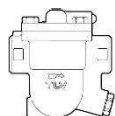
JX-SERIE



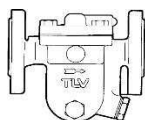
J3X				
2 bar/200 °C	5.3103	Rp (BSP)	1/2"	1343280
5 bar/200 °C	Sphäroguss		1/2"	1342969
8 bar/200 °C			1/2"	1342970
10 bar/200 °C			1/2"	1343057
13 bar/200 °C			1/2"	1343259
2 bar/200 °C			3/4"	1344832
5 bar/200 °C			3/4"	1343242
8 bar/200 °C			3/4"	1343271
10 bar/200 °C			3/4"	1343274
13 bar/200 °C			3/4"	1343270
2 bar/200 °C			1"	1345512
5 bar/200 °C			1"	1343241
8 bar/200 °C			1"	1343576
10 bar/200 °C			1"	1343240
13 bar/200 °C			1"	1343462



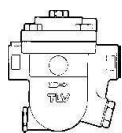
JF3X				
2 bar/200 °C	5.3103	Flansch	DN 15	1343871
5 bar/200 °C	Sphäroguss	PN 16	DN 15	1342561
8 bar/200 °C			DN 15	1343062
10 bar/200 °C			DN 15	1342973
13 bar/200 °C			DN 15	1344269
2 bar/200 °C			DN 20	1347184
5 bar/200 °C			DN 20	1342807
8 bar/200 °C			DN 20	1342552
10 bar/200 °C			DN 20	1342560
13 bar/200 °C			DN 20	1344020
2 bar/200 °C			DN 25	1331084
5 bar/200 °C			DN 25	1342559
8 bar/200 °C			DN 25	1342558
10 bar/200 °C			DN 25	1343303
13 bar/200 °C			DN 25	1342507



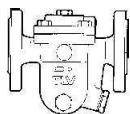
J3S-X				
2 bar/220 °C	CF8		1/2"	1343328
5 bar/220 °C	Edelstahl	Rp (BSP)	1/2"	1343329
10 bar/220 °C			1/2"	1343331
14 bar/220 °C			1/2"	1344706
21 bar/220 °C			1/2"	1343327
2 bar/220 °C			3/4"	1343343
5 bar/220 °C			3/4"	1343344
10 bar/220 °C			3/4"	1343346
14 bar/220 °C			3/4"	1345530
21 bar/220 °C			3/4"	1343342
2 bar/220 °C			1"	1343358
5 bar/220 °C			1"	1343359
10 bar/220 °C			1"	1343361
14 bar/220 °C			1"	1344704
21 bar/220 °C			1"	1343357



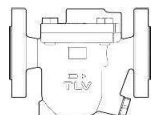
J3S-X				
2 bar/220 °C	CF8	Flansch	DN15	1009370
5 bar/220 °C	Edelstahl	PN 40	DN15	1009371
10 bar/220 °C			DN15	1009372
14 bar/220 °C			DN15	1009373
21 bar/220 °C			DN15	1009369
2 bar/220 °C			DN 20	1009375
5 bar/220 °C			DN 20	1009376
10 bar/220 °C			DN 20	1009377
14 bar/220 °C			DN 20	1009378
21 bar/220 °C			DN 20	1009374
2 bar/220 °C			DN 25	1009380
5 bar/220 °C			DN 25	1009381
10 bar/220 °C			DN 25	1009382
14 bar/220 °C			DN 25	1009383
21 bar/220 °C			DN 25	1009379



J5X				
2 bar/200 °C	5.3103	Rp (BSP)	3/4"	1330238
5 bar/200 °C	Sphäroguss		3/4"	1344661
8 bar/200 °C			3/4"	1343908
10 bar/200 °C			3/4"	1342974
13 bar/200 °C			3/4"	1331643
2 bar/200 °C			1"	1343243
5 bar/200 °C			1"	1343061
8 bar/200 °C			1"	1342806
10 bar/200 °C			1"	1343244
13 bar/200 °C			1"	1343260

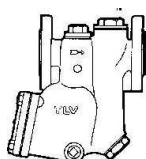


JF5X				
2 bar/200 °C	5.3103	Flansch		
5 bar/200 °C	Sphäroguss	PN 16	DN 20	1344767
8 bar/200 °C			DN 20	1346943
10 bar/200 °C			DN 20	1345817
13 bar/200 °C			DN 20	1344314
2 bar/200 °C			DN 25	1343058
5 bar/200 °C			DN 25	1342503
8 bar/200 °C			DN 25	1344019
10 bar/200 °C			DN 25	1343059
13 bar/200 °C			DN 25	1342804

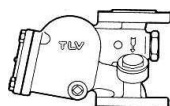


JH3LH-X				
5 bar/240 °C	CF8M	Flansch	DN 25	1095869
14 bar/240 °C	Edelstahl	PN40	DN 25	1095871
32 bar/240 °C			DN 25	1095870

SJFX-SERIE



SJ3FNX				
2 bar/220 °C	5.3103	Flansch	DN15	1295714
5 bar/220 °C	Sphäroguss	PN 40	DN15	1295715
9 bar/220 °C			DN15	1295716
14 bar/220 °C		horizontaler	DN15	1295717
22 bar/220 °C		Einbau	DN15	1295718
2 bar/220 °C			DN 20	1295719
5 bar/220 °C			DN 20	1295720
9 bar/220 °C			DN 20	1295721
14 bar/220 °C			DN 20	1295722
22 bar/220 °C			DN 20	1295723
2 bar/220 °C			DN25	1295777
5 bar/220 °C			DN25	1295725
9 bar/220 °C			DN25	1295726
14 bar/220 °C			DN25	1295778
22 bar/220 °C			DN25	1295779

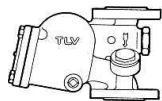


SJ3FVX				
2 bar/220 °C	5.3103	Flansch	DN 15	1295739
5 bar/220 °C	Sphäroguss	PN 40	DN 15	1295740
9 bar/220 °C			DN 15	1295741
14 bar/220 °C		vertikaler	DN 15	1295742
22 bar/220 °C		Einbau	DN 15	1295743
2 bar/220 °C			DN 20	1295766
5 bar/220 °C			DN 20	1295767
9 bar/220 °C			DN 20	1295768

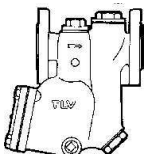
14 bar/220 °C			DN 20	1295769
22 bar/220 °C			DN 20	1295770
2 bar/220 °C			DN 25	1295803
5 bar/220 °C			DN 25	1295804
9 bar/220 °C			DN 25	1295805
14 bar/220 °C			DN 25	1295806
22 bar/220 °C			DN 25	1295807



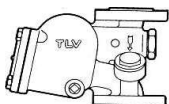
SJ5FNX				
2 bar/220 °C	5.3103	Flansch	DN 20	1295756
5 bar/220 °C	Sphäroguss	PN 40	DN 20	1295757
9 bar/220 °C			DN 20	1295758
14 bar/220 °C		horizontaler	DN 20	1295759
22 bar/220 °C		Einbau	DN 20	1295760
2 bar/220 °C			DN 25	1295787
5 bar/220 °C			DN 25	1295788
9 bar/220 °C			DN 25	1295789
14 bar/220 °C			DN 25	1295790
22 bar/220 °C			DN 25	1295791



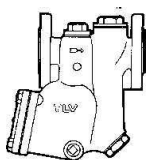
SJ5FVX				
2 bar/220 °C	5.3103	Flansch	DN 20	1295875
5 bar/220 °C	Sphäroguss	PN 40	DN 20	1295876
9 bar/220 °C			DN 20	1295877
14 bar/220 °C		vertikaler	DN 20	1295878
22 bar/220 °C		Einbau	DN 20	1295879
2 bar/220 °C			DN 25	1295881
5 bar/220 °C			DN 25	1295882
9 bar/220 °C			DN 25	1295883
14 bar/220 °C			DN 25	1295884
22 bar/220 °C			DN 25	1295885



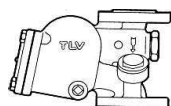
SJ6FNX				
2 bar/220 °C	5.3103	Flansch	DN 40	1295814
5 bar/220 °C	Sphäroguss	PN 40	DN 40	1295815
9 bar/220 °C			DN 40	1295816
14 bar/220 °C		horizontaler	DN 40	1295817
22 bar/220 °C		Einbau	DN 40	1295818
2 bar/220 °C			DN 50	1295831
5 bar/220 °C			DN 50	1295832
9 bar/220 °C			DN 50	1295833
14 bar/220 °C			DN 50	1295834
22 bar/220 °C			DN 50	1295835



SJ6FVX				
2 bar/220 °C	5.3103	Flansch	DN 40	1295893
5 bar/220 °C	Sphäroguss	PN 40	DN 40	1295894
9 bar/220 °C			DN 40	1295926
14 bar/220 °C		vertikaler	DN 40	1295927
22 bar/220 °C		Einbau	DN 40	1295928
2 bar/220 °C			DN 50	1295938
5 bar/220 °C			DN 50	1295939
9 bar/220 °C			DN 50	1295940
14 bar/220 °C			DN 50	1295941
22 bar/220 °C			DN 50	1295942



SJ7FNX				
2 bar/220 °C	5.3103	Flansch	DN 40	1295826
5 bar/220 °C	Sphäroguss	PN 40	DN 40	1295827
9 bar/220 °C			DN 40	1295828
14 bar/220 °C		horizontaler	DN 40	1295829
22 bar/220 °C		Einbau	DN 40	1295830
2 bar/220 °C			DN 50	1295842
5 bar/220 °C			DN 50	1295843
9 bar/220 °C			DN 50	1295844
14 bar/220 °C			DN 50	1295845
22 bar/220 °C			DN 50	1295846

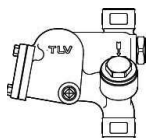


SJ7FVX				
2 bar/220 °C	5.3103	Flansch	DN 40	1295930
5 bar/220 °C	Sphäroguss	PN 40	DN 40	1295931
9 bar/220 °C			DN 40	1295932
14 bar/220 °C		vertikaler	DN 40	1295933
22 bar/220 °C		Einbau	DN 40	1295934
2 bar/220 °C			DN 50	1295944
5 bar/220 °C			DN 50	1295945
9 bar/220 °C			DN 50	1295946
14 bar/220 °C			DN 50	1295947
22 bar/220 °C			DN 50	1295948

Mehrpriis integr. Bypassventil:
(mit integriertem Bimetall-Entlüfter)

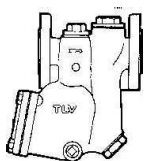
SJF-NV-SERIE

SJX-SERIE



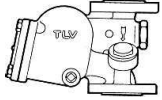
SJ3VX				
2 bar/220 °C	5.3103	Rp (BSP)	1/2"	1043775
5 bar/220 °C	Sphäroguss		1/2"	1043776
9 bar/220 °C		vertikaler	1/2"	1043777
14 bar/220 °C		Einbau	1/2"	1043778
22 bar/220 °C			1/2"	1043779
2 bar/220 °C			3/4"	1043780
5 bar/220 °C			3/4"	1043782
9 bar/220 °C			3/4"	1043784
14 bar/220 °C			3/4"	1043786
22 bar/220 °C			3/4"	1043788
2 bar/220 °C			1"	1043781
5 bar/220 °C			1"	1043783
9 bar/220 °C			1"	1043785
14 bar/220 °C			1"	1043787
22 bar/220 °C			1"	1043789

SJHX-SERIE

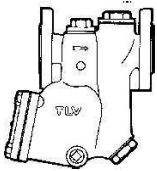


SJH3NX				
5 bar/240 °C	WCB	Flansch	DN15	1050702
10 bar/240 °C	Stahlguss	PN 40	DN15	1050703
14 bar/240 °C			DN15	1050705
22 bar/240 °C		horizontaler	DN15	1050706
32 bar/240 °C		Einbau	DN15	1050704

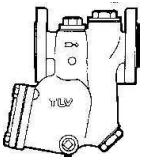
	SJH3VX				
	5 bar/240 °C	WCB	Flansch	DN 15	1050709
	10 bar/240 °C	Stahlguss	PN 40	DN 15	1050710
	14 bar/240 °C			DN 15	1050712
	22 bar/240 °C		vertikaler	DN 15	1050713
	32 bar/240 °C		Einbau	DN 15	1050711



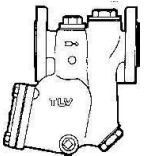
	SJH5NX				
	5 bar/240 °C	WCB	Flansch	DN 20	1050718
	10 bar/240 °C	Stahlguss	PN 40	DN 20	1050719
	14 bar/240 °C			DN 20	1050721
	22 bar/240 °C		horizontaler	DN 20	1050722
	32 bar/240 °C		Einbau	DN 20	1050720
	5 bar/240 °C			DN 25	1050723
	10 bar/240 °C			DN 25	1050724
	14 bar/240 °C			DN 25	1050726
	22 bar/240 °C			DN 25	1050727
	32 bar/240 °C			DN 25	1050725



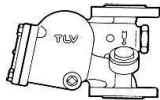
	SJH5VX				
	5 bar/240 °C	WCB	Flansch	DN 20	1050742
	10 bar/240 °C	Stahlguss	PN 40	DN 20	1050743
	14 bar/240 °C			DN 20	1050745
	22 bar/240 °C		vertikaler	DN 20	1050746
	32 bar/240 °C		Einbau	DN 20	1050744
	5 bar/240 °C			DN 25	1050747
	10 bar/240 °C			DN 25	1050749
	14 bar/240 °C			DN 25	1050750
	22 bar/240 °C			DN 25	1050751
	32 bar/240 °C			DN 25	1050749



	SJH6NX				
	5 bar/240 °C	WCB	Flansch	DN 40	1078910
	10 bar/240 °C	Stahlguss	PN 40	DN 40	1050753
	14 bar/240 °C			DN 40	1050754
	22 bar/240 °C		horizontaler	DN 40	1050755
	32 bar/240 °C		Einbau	DN 40	1078911



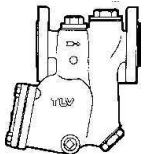
	SJH7NX				
	5 bar/240 °C	WCB	Flansch	DN 40	1050775
	10 bar/240 °C	Stahlguss	PN 40	DN 40	1050776
	14 bar/240 °C			DN 40	1050777
	22 bar/240 °C		horizontaler	DN 40	1050778
	32 bar/240 °C		Einbau	DN 40	1078491
	5 bar/240 °C			DN 50	1050779
	10 bar/240 °C			DN 50	1050780
	14 bar/240 °C			DN 50	1050781
	22 bar/240 °C			DN 50	1050782
	32 bar/240 °C			DN 50	1071912



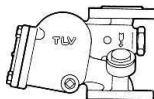
SJH7VX					
5 bar/240 °C	WCB	Flansch	DN 40	1050764	
10 bar/240 °C	Stahlguss	PN 40	DN 40	1050765	
14 bar/240 °C			DN 40	1050767	
22 bar/240 °C		vertikaler	DN 40	1050768	
32 bar/240 °C		Einbau	DN 40	1050766	
5 bar/240 °C			DN 50	1050757	
10 bar/240 °C			DN 50	1050758	
14 bar/240 °C			DN 50	1050762	
22 bar/240 °C			DN 50	1050763	
32 bar/240 °C			DN 50	1050761	

SJHX-SERIE

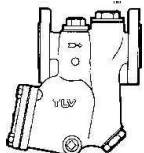
Edelstahlausführung



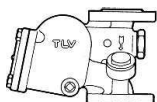
SJH3NX					
5 bar/240 °C	CF8	Flansch	DN 15	1078531	
10 bar/240 °C	Edelstahl	PN 40	DN 15	1072433	
14 bar/240 °C			DN 15	1337609	
22 bar/240 °C		horizontaler	DN 15	1078530	
32 bar/240 °C		Einbau	DN 15	1078529	



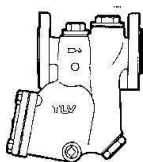
SJH3VX					
5 bar/240 °C	CF8	Flansch	DN 15	1078903	
10 bar/240 °C	Edelstahl	PN 40	DN 15	1078904	
14 bar/240 °C			DN 15	1337614	
22 bar/240 °C		vertikaler	DN 15	1047235	
32 bar/240 °C		Einbau	DN 15	1047236	



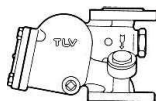
SJH5NX					
5 bar/240 °C	CF8	Flansch	DN 20	1070458	
10 bar/240 °C	Edelstahl	PN 40	DN 20	1078905	
14 bar/240 °C			DN 20	1337615	
22 bar/240 °C		horizontaler	DN 20	1337599	
32 bar/240 °C		Einbau	DN 20	1078907	
5 bar/240 °C			DN 25	1346145	
10 bar/240 °C			DN 25	1344352	
14 bar/240 °C			DN 25	1337617	
22 bar/240 °C			DN 25	1337600	
32 bar/240 °C			DN 25	1338148	



SJH5VX					
5 bar/240 °C	CF8	Flansch	DN 20	1070459	
10 bar/240 °C	Edelstahl	PN 40	DN 20	1075637	
14 bar/240 °C			DN 20	1337616	
22 bar/240 °C		vertikaler	DN 20	1078908	
32 bar/240 °C		Einbau	DN 20	1078909	
5 bar/240 °C			DN 25	1046801	
10 bar/240 °C			DN 25	1075638	
14 bar/240 °C			DN 25	1337618	
22 bar/240 °C			DN 25	1038888	
32 bar/240 °C			DN 25	1350982	

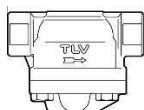


SJH6NX				
5 bar/240 °C	CF8	Flansch	DN 40	1073461
10 bar/240 °C	Edelstahl	PN 40	DN 40	1043726
14 bar/240 °C			DN 40	1040165
22 bar/240 °C		horizontaler	DN 40	1041817
32 bar/240 °C		Einbau	DN 40	
SJH7NX				
5 bar/240 °C	CF8	Flansch	DN 40	1338012
10 bar/240 °C	Edelstahl	PN 40	DN 40	1338075
14 bar/240 °C			DN 40	1337619
22 bar/240 °C		horizontaler	DN 40	1337620
32 bar/240 °C		Einbau	DN 40	1070460
5 bar/240 °C			DN 50	1338186
10 bar/240 °C			DN 50	1345813
14 bar/240 °C			DN 50	1337622
22 bar/240 °C			DN 50	1337623
32 bar/240 °C			DN 50	1070460



SJH7VX				
5 bar/240 °C	CF8	Flansch	DN 40	1082112
10 bar/240 °C	Edelstahl	PN 40	DN 40	1073366
14 bar/240 °C			DN 40	1337621
22 bar/240 °C		vertikaler	DN 40	1082113
32 bar/240 °C		Einbau	DN 40	1082114
5 bar/240 °C			DN 50	1082115
10 bar/240 °C			DN 50	1073442
14 bar/240 °C			DN 50	1337624
22 bar/240 °C			DN 50	1082116
32 bar/240 °C			DN 50	1082117

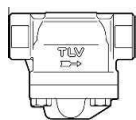
SS-SERIE SS1-SERIE



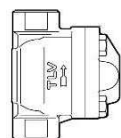
SS1NL				
5 bar/220 °C	CF8	Rp (BSP)	1/2"	1340684
10 bar/220 °C	Edelstahl		1/2"	1340685
21 bar/220 °C		horizontaler	1/2"	1340687
5 bar/220 °C		Einbau	3/4"	1340689
10 bar/220 °C			3/4"	1340690
21 bar/220 °C			3/4"	1340692
5 bar/220 °C			1"	1340694
10 bar/220 °C			1"	1340695
21 bar/220 °C			1"	1340697



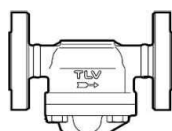
SS1VL				
5 bar/220 °C	CF8	Rp (BSP)	1/2"	1340824
10 bar/220 °C	Edelstahl		1/2"	1340825
21 bar/220 °C		vertikaler	1/2"	1340827
5 bar/220 °C		Einbau	3/4"	1340829
10 bar/220 °C			3/4"	1340830
21 bar/220 °C			3/4"	1340832
5 bar/220 °C			1"	1340834
10 bar/220 °C			1"	1340835
21 bar/220 °C			1"	1340837



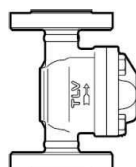
SS1NH				
5 bar/400 °C	CF8	Rp (BSP)	1/2"	Spalte1
10 bar/400 °C	Edelstahl		1/2"	1341925
21 bar/400 °C		horizontaler	1/2"	1340945
5 bar/400 °C		Einbau	3/4"	
10 bar/400 °C			3/4"	1341926
21 bar/400 °C			3/4"	1340946
5 bar/400 °C			1"	
10 bar/400 °C			1"	1342316
21 bar/400 °C			1"	1340947



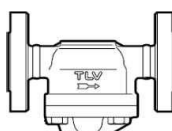
SS1VH				
5 bar/400 °C	CF8	Rp (BSP)	1/2"	
10 bar/400 °C	Edelstahl		1/2"	1014227
21 bar/400 °C		vertikaler	1/2"	1340972
5 bar/400 °C		Einbau	3/4"	1012191
10 bar/400 °C			3/4"	1086151
21 bar/400 °C			3/4"	1340973
5 bar/400 °C			1"	
10 bar/400 °C			1"	1011190
21 bar/400 °C			1"	1340974



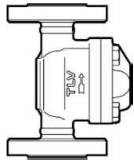
SS1NL				
5 bar/220 °C	CF8	Flansch	DN 15	1341137
10 bar/220 °C	Edelstahl	PN 40	DN 15	1341138
21 bar/220 °C			DN 15	1341140
5 bar/220 °C		horizontaler	DN 20	1341142
10 bar/220 °C		Einbau	DN 20	1341143
21 bar/220 °C			DN 20	1341145
5 bar/220 °C			DN 25	1341147
10 bar/220 °C			DN 25	1341148
21 bar/220 °C			DN 25	1341150



SS1VL				
5 bar/220 °C	CF8	Flansch	DN 15	1341152
10 bar/220 °C	Edelstahl	PN 40	DN 15	1341153
21 bar/220 °C			DN 15	1341155
5 bar/220 °C		vertikaler	DN 20	1341157
10 bar/220 °C		Einbau	DN 20	1341158
21 bar/220 °C			DN 20	1341160
5 bar/220 °C			DN 25	1341162
10 bar/220 °C			DN 25	1341163
21 bar/220 °C			DN 25	1341165

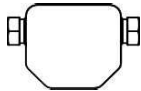


SS1NH				
5 bar/400 °C	CF8	Flansch	DN 15	1019665
10 bar/400 °C	Edelstahl	PN 40	DN 15	1060792
21 bar/400 °C			DN 15	1063587
5 bar/400 °C		horizontaler	DN 20	1041774
10 bar/400 °C		Einbau	DN 20	
21 bar/400 °C			DN 20	1028633
5 bar/400 °C			DN 25	1019666
10 bar/400 °C			DN 25	
21 bar/400 °C			DN 25	1012172

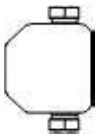


SS1VH				
5 bar/400 °C	CF8	Flansch	DN 15	
10 bar/400 °C	Edelstahl	PN 40	DN 15	
21 bar/400 °C			DN 15	1349905
5 bar/400 °C		vertikaler	DN 20	1076116
10 bar/400 °C		Einbau	DN 20	
21 bar/400 °C			DN 20	1044651
5 bar/400 °C			DN 25	
10 bar/400 °C			DN 25	
21 bar/400 °C			DN 25	

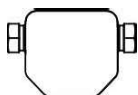
SS3-SERIE



SS3N				
5 bar/400°C	1.4404/SUS316 L	Rp (BSP)	1/2"	1036164
10 bar/400°C	Edelstahl		1/2"	1036165
21 bar/400°C		horizontaler	1/2"	1036163
5 bar/400°C		Einbau	3/4"	1036171
10 bar/400°C			3/4"	1036172
21 bar/400°C			3/4"	1036170
5 bar/400°C			1"	1036177
10 bar/400°C			1"	1036178
21 bar/400°C			1"	1036176



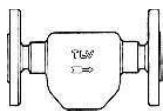
SS3V				
5 bar/400°C	1.4404/316 L	Rp (BSP)	1/2"	1036206
10 bar/400°C	Edelstahl		1/2"	1036207
21 bar/400°C		vertikaler	1/2"	1036205
5 bar/400°C		Einbau	3/4"	1036212
10 bar/400°C			3/4"	1036213
21 bar/400°C			3/4"	1036211
5 bar/400°C			1"	1036216
10 bar/400°C			1"	1036217
21 bar/400°C			1"	1036215



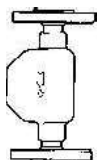
SS3N				
5 bar/400°C	1.4404/SUS316 L	Schweißmuffe	15 mm	1036181
10 bar/400°C	Edelstahl	ASME	15 mm	1036182
21 bar/400°C			15 mm	1036180
5 bar/400°C		horizontaler	20 mm	1036186
10 bar/400°C		Einbau	20 mm	1036187
21 bar/400°C			20 mm	1036185
5 bar/400°C			25 mm	1036191
10 bar/400°C			25 mm	1036192
21 bar/400°C			25 mm	1036190



SS3V				
5 bar/400°C	1.4404/316 L	Schweißmuffe	15 mm	1036222
10 bar/400°C	Edelstahl	ASME	15 mm	1036223
21 bar/400°C			15 mm	1036220
5 bar/400°C		vertikaler	20 mm	
10 bar/400°C		Einbau	20 mm	1036229
21 bar/400°C			20 mm	1036228
5 bar/400°C			25 mm	1036230
10 bar/400°C			25 mm	1058460
21 bar/400°C			25 mm	

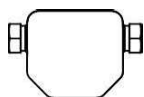


SS3N				
5 bar/400°C	1.4404/316 L	Flansch	DN 15	1036151
10 bar/400°C	Edelstahl	PN 40	DN 15	1036152
21 bar/400°C			DN 15	1036150
5 bar/400°C		horizontaler	DN 20	1036155
10 bar/400°C		Einbau	DN 20	1036156
21 bar/400°C			DN 20	1036154
5 bar/400°C			DN 25	1036158
10 bar/400°C			DN 25	1036159
21 bar/400°C			DN 25	1036157



SS3V				
5 bar/400°C	1.4404/316 L	Flansch	DN 15	1036195
10 bar/400°C	Edelstahl	PN 40	DN 15	1036196
21 bar/400°C			DN 15	1036194
5 bar/400°C		vertikaler	DN 20	1036198
10 bar/400°C		Einbau	DN 20	1036199
21 bar/400°C			DN 20	1036197
5 bar/400°C			DN 25	1036201
10 bar/400°C			DN 25	1036202
21 bar/400°C			DN 25	1036200

SS5-SERIE



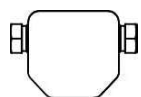
SS5N				
5 bar/425 °C	1.4404/316 L	Rp (BSP)	1/2"	1036810
10 bar/425 °C	Edelstahl		1/2"	1036811
16 bar/425 °C		horizontaler	1/2"	1036812
21 bar/425 °C		Einbau	1/2"	1036809
32 bar/425 °C			1/2"	1036813
5 bar/425 °C			3/4"	1036818
10 bar/425 °C			3/4"	1036819
16 bar/425 °C			3/4"	1036820
21 bar/425 °C			3/4"	1036817
32 bar/425 °C			3/4"	1036821
5 bar/425 °C			1"	1036823
10 bar/425 °C			1"	1036824
16 bar/425 °C			1"	
21 bar/425 °C			1"	1036822
32 bar/425 °C			1"	



SS5V				
5 bar/425 °C	1.4404/316 L	Rp (BSP)	1/2"	1036863
10 bar/425 °C	Edelstahl		1/2"	1036864
16 bar/425 °C		vertikaler	1/2"	1036865
21 bar/425 °C		Einbau	1/2"	1036862
32 bar/425 °C			1/2"	
5 bar/425 °C			3/4"	1036868
10 bar/425 °C			3/4"	1036869
16 bar/425 °C			3/4"	1036870
21 bar/425 °C			3/4"	1036867
32 bar/425 °C			3/4"	
5 bar/425 °C			1"	1036871
10 bar/425 °C			1"	1036872
16 bar/425 °C			1"	
21 bar/425 °C			1"	
32 bar/425 °C			1"	



SS5NH				
46 bar/425 °C	1.4404/316 L		1/2"	1036854
	Edelstahl	Rp (BSP)	3/4"	
			1"	
		horizontaler		
		Einbau		
SS5VH				
46 bar/425 °C	1.4404/316 L		1/2"	
	Edelstahl	Rp (BSP)	3/4"	1036890
			1"	
		vertikaler		
		Einbau		

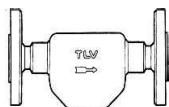


SS5N				
5 bar/425 °C	1.4404/316 L	Schweißmuffe	15 mm	
10 bar/425 °C	Edelstahl	ASME	15 mm	
16 bar/425 °C			15 mm	
21 bar/425 °C		horizontaler	15 mm	
32 bar/425 °C		Einbau	15 mm	
5 bar/425 °C			20 mm	
10 bar/425 °C			20 mm	
16 bar/425 °C			20 mm	
21 bar/425 °C			20 mm	
32 bar/425 °C			20 mm	
5 bar/425 °C			25 mm	
10 bar/425 °C			25 mm	
16 bar/425 °C			25 mm	
21 bar/425 °C			25 mm	
32 bar/425 °C			25 mm	

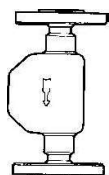


SS5V				
5 bar/425 °C	1.4404/316 L	Schweißmuffe	15 mm	1036873
10 bar/425 °C	Edelstahl	ASME	15 mm	1036874
16 bar/425 °C			15 mm	1036875
21 bar/425 °C		vertikaler	15 mm	
32 bar/425 °C		Einbau	15 mm	1036876
5 bar/425 °C			20 mm	
10 bar/425 °C			20 mm	
16 bar/425 °C			20 mm	
21 bar/425 °C			20 mm	
32 bar/425 °C			20 mm	
5 bar/425 °C			25 mm	
10 bar/425 °C			25 mm	
16 bar/425 °C			25 mm	
21 bar/425 °C			25 mm	
32 bar/425 °C			25 mm	1072949
SS5NH				
46 bar/425 °C	1.4404/316 L	Schweißmuffe	15 mm	1036855
	Edelstahl	ASME	20 mm	1036856
			25 mm	1036857
		horizontaler		
		Einbau		

SS5VH				
46 bar/425 °C	1.4404/316 L	Schweißmuffe	15 mm	1036891
	Edelstahl	ASME	20 mm	1036892
			25 mm	1036893
		vertikaler Einbau		



SS5N				
5 bar/425 °C	1.4404/316 L	Flansch	DN 15	1036838
10 bar/425 °C	Edelstahl	PN 40	DN 15	1036839
16 bar/425 °C		L = 210mm	DN 15	1036840
21 bar/425 °C			DN 15	1036837
32 bar/425 °C			DN 15	1036841
5 bar/425 °C		L = 210mm	DN 20	
10 bar/425 °C			DN 20	
16 bar/425 °C			DN 20	
21 bar/425 °C			DN 20	
32 bar/425 °C			DN 20	
5 bar/425 °C		L = 230mm	DN 25	1036849
10 bar/425 °C			DN 25	1036850
16 bar/425 °C			DN 25	1036851
21 bar/425 °C		horizontaler	DN 25	1036848
32 bar/425 °C		Einbau	DN 25	1036852



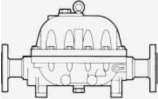
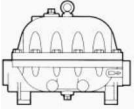
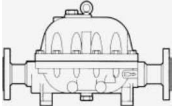
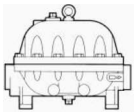
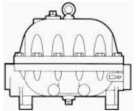
SS5V				
5 bar/425 °C	1.4404/316 L	Flansch	DN 15	1036878
10 bar/425 °C	Edelstahl	PN 40	DN 15	1036879
16 bar/425 °C		L = 210mm	DN 15	
21 bar/425 °C			DN 15	1036877
32 bar/425 °C			DN 15	1036880
5 bar/425 °C		L = 210mm	DN 20	
10 bar/425 °C			DN 20	
16 bar/425 °C			DN 20	
21 bar/425 °C			DN 20	
32 bar/425 °C			DN 20	
5 bar/425 °C		L = 230mm	DN 25	1036887
10 bar/425 °C			DN 25	1036888
16 bar/425 °C			DN 25	1036889
21 bar/425 °C		vertikaler	DN 25	1036886
32 bar/425 °C		Einbau	DN 25	

SS5NH				
46 bar/425 °C	1.4404/316 L	Flansch	DN 15	1055355
	Edelstahl	PN 63		
		L = 230mm	DN 25	1036860
		horizontaler Einbau		

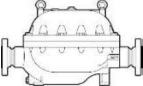
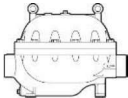
SS5VH				
46 bar/425 °C	1.4404/316 L	Flansch	DN 15	1036895
	Edelstahl	PN 63		
		L = 230mm	DN 25	1036897
		vertikaler Einbau		

KUGELSCHWIMMER-KONDENSATABLEITER FÜR HOHE DURCHSÄTZE

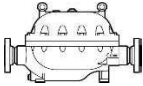
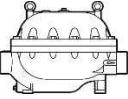
JL9X-SERIE

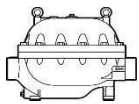
	JL9X				
	10 bar/200 °C	GG25	Flansch	DN 50	1339762
	13 bar/200 °C	Grauguss	PN 16	DN 50	1059093
	JL9X				
	10 bar/200 °C	GG25	Rp (BSP)	2"	1338479
	13 bar/200 °C	Grauguss		2"	1338480
	JLH9X				
	10 bar/240 °C	WCB	Flansch	DN 50	1339082
	18 bar/240 °C	Stahlguss	PN 40	DN 50	1339083
	32 bar/240 °C			DN 50	1339084
	JLH9X				
	10 bar/240 °C	WCB	Rp (BSP)	2"	
	18 bar/240 °C	Stahlguss		2"	
	32 bar/240 °C			2"	
	JLH9X				
	10 bar/240 °C	WCB	Schweißmuffe	50 mm	1344129
	18 bar/240 °C	Stahlguss	ASME	50 mm	1344130
	32 bar/240 °C			50 mm	1344131

JL14X-SERIE

	JL14X				
	10 bar/200 °C	GG25	Flansch	DN 80	1346355
	13 bar/200 °C	Grauguss	PN 16		
	13 bar/200 °C			DN100	
	JL14X				
	10 bar/200 °C	GG25	Rp (BSP)	3"	1344036
	13 bar/200 °C	Grauguss		3"	1344037

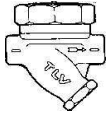
JLH14X-SERIE

	JLH14X				
	10 bar/240 °C	WCB	Flansch	DN 80	1344046
	18 bar/240 °C	Stahlguss	PN 40	DN 80	1344047
	(400°C*)				
	10 bar/240 °C			DN 100	1349253
	18 bar/240 °C			DN 100	
	JLH14X				
	10 bar/240 °C	WCB	Rp (BSP)	3"	
	18 bar/240 °C	Stahlguss			
	(400°C*)				



JLH14X				
10 bar/240 °C	WCB	Schweißmuffe	80 mm	1000790
18 bar/240 °C (400°C*)	Stahlguss	ASME		1020923

THERMODYNAMISCHE KONDENSATABLEITER A3N-SERIE



A3N				
13 bar/200 °C	FCD450	Rp (BSP)	1/2"	1083520
	Grauguss		3/4"	1083533
			1"	1083549

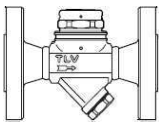
P46SRN-SERIE



P46SRN				
46 bar/425 °C	A105	Rp (BSP)	1/2"	1341436
	Schmiedestahl		3/4"	1341437
			1"	1341438



P46SRN				
46 bar/425 °C	A105	Schweißmuffe	15mm	1342365
	Schmiedestahl	ASME	20mm	1342366
			25mm	1342367



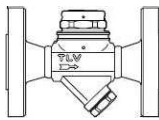
P46SRN				
46 bar/400 °C	A105	Flansch	DN 15	1341425
	Schmiedestahl	PN 40	DN 20	1341426
			DN 25	1341427



P46SRN F304				
46 bar/550 °C	SUSF304	Rp (BSP)	1/2"	1003484
	Edelstahl		3/4"	1003485
			1"	1003486



P46SRN F304				
46 bar/550 °C	SUSF304	Schweißmuffe	15mm	1003501
	Edelstahl	ASME	20mm	1003502
			25mm	1003503



P46SRN F304				
46 bar/400 °C	SUSF304	Flansch	DN 15	1012420
	Edelstahl	PN 40	DN 20	1012421
			DN 25	1012422

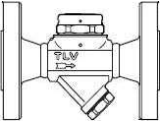
P46SRM-SERIE



P46SRM				
46 bar/425 °C	A105	Rp (BSP)	1/2"	1003421
	Schmiedestahl		3/4"	1003422
			1"	1003423

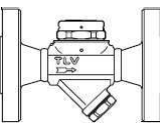


P46SRM				
46 bar/425 °C	A105	Schweißmuffe	15mm	1003431
	Schmiedestahl	ASME	20mm	1003432
			25mm	1003433

	P46SRM				
	46 bar/400 °C	A105	Flansch	DN 15	1003605
		Schmiedestahl	PN 40	DN 20	1003606
				DN 25	1003607

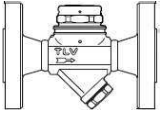
	P46SRM F304				
	46 bar/550 °C	SUSF304	Rp (BSP)	1/2"	1003658
		Edelstahl		3/4"	1003659
				1"	1003660

	P46SRM F304				
	46 bar/550 °C	SUSF304	Schweißmuffe	15mm	1003676
		Edelstahl	ASME	20mm	1003677
				25mm	1003678

	P46SRM F304				
	46 bar/400 °C	SUSF304	Flansch	DN 15	
		Edelstahl	PN 40	DN 20	
				DN 25	

P46SRW-SERIE

	P46SRW				
	46 bar/425 °C	WCB	Rp (BSP)	1"	1003457
		Stahlguss			
			Schweißmuffe	25mm	1003462
			ASME		

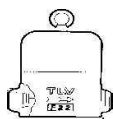
	P46SRW				
	46 bar/400 °C	WCB	Flansch	DN 25	1003953
		Stahlguss	PN 40	DN 40	1003954
				DN 50	1003955

P21S-SERIE

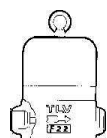
	P21S ver. C				
	21 bar/425 °C	CA40	Rp (BSP)	1/4"	1027086
		Edelstahl		3/8"	1027087
				1/2"	1027088

HR-SERIE

	HR80A				
	80 bar/475 °C	Cr-Mo	Schweißmuffe	15mm	1297923
		Schmiedestahl	ASME	20mm	1297928
		F22		25mm	1297933
	HR80A				
	80 bar/475 °C	Cr-Mo	B. W.	15mm	1296325
		Schmiedestahl	DIN 3239		
		F22	PN 100	25mm	1296328

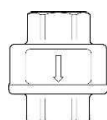


HR150A				
150 bar/550 °C	Cr-Mo	Schweißmuffe	15mm	1339266
	Schmiedestahl	ASME	20mm	1345319
	F22		25mm	1338024
HR150A				
150 bar/550 °C	Cr-Mo	B.W.	15mm	1296326
	Schmiedestahl	DIN 3239		
	F22	PN 160	25mm	1296329

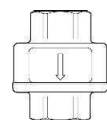


HR260A				
260 bar/550 °C	Cr-Mo	Schweißmuffe	15mm	1351041
	Schmiedestahl	ASME		
	F22		25mm	
HR260A				
260 bar/550 °C	Cr-Mo	B.W.	15mm	1336844
	Schmiedestahl	DIN 3239		
	F22	PN 250	25mm	1336845

THERMISCHE KAPSEL-KONDENSATABLEITER LV-SERIE

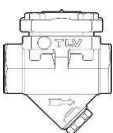


LV21				
21 bar/235 °C	CF8	Rp (BSP)	1/4"	1290246
	Edelstahl		3/8"	1295438
			1/2"	1289174

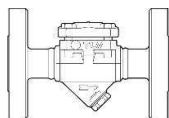


LV21C				
21 bar/235 °C	CF8	Rp (BSP)	1/4"	1066169
mit integriertem	Edelstahl		3/8"	
Rückschlagventil			1/2"	1032063

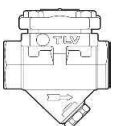
L21S-SERIE



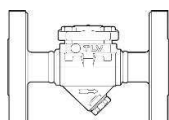
L21S				
21 bar/240 °C	A105	Rp (BSP)	1/2"	1288262
	Schmiedestahl		3/4"	1288341
			1"	1288351



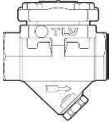
L21S				
21 bar/240 °C	A105	Flansch	DN 15	1295902
	Schmiedestahl	PN 40	DN 20	1295910
			DN 25	1295918

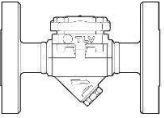


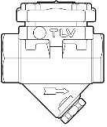
L21SC				
21 bar/240 °C	A105	Rp (BSP)	1/2"	1290227
mit integriertem	Schmiedestahl		3/4"	1290230
Rückschlagventil			1"	1290233

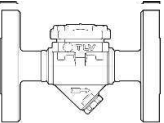


L21SC				
21 bar/240 °C	A105	Flansch	DN 15	1295904
	Schmiedestahl	PN 40	DN 20	1295912
			DN 25	1295920

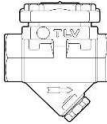
	L21S CF8				
	21 bar/240 °C	CF8	Rp (BSP)	1/2"	1292580
		Edelstahl		3/4"	1292594
				1"	1292597

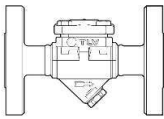
	L21S CF8				
	21 bar/240 °C	CF8	Flansch	DN 15	1335337
		Edelstahl	PN 40	DN 20	1336679
				DN 25	1299666

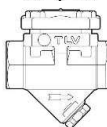
	L21SC CF8				
	21 bar/240 °C	CF8	Rp (BSP)	1/2"	1069555
	mit integriertem	Edelstahl		3/4"	1071772
	Rückschlagventil			1"	1071773

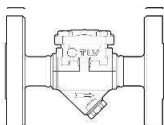
	L21SC CF8				
	21 bar/240 °C	CF8	Flansch	DN 15	1074251
		Edelstahl	PN 40	DN 20	1078818
				DN 25	1050524

L32S-SERIE

	L32S				
	32 bar/240 °C	A105	Rp (BSP)	1/2"	1288336
		Schmiedestahl		3/4"	1288345
				1"	1288355

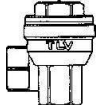
	L32S				
	32 bar/240 °C	A105	Flansch	DN 15	1295903
		Schmiedestahl	PN 40	DN 20	1295911
				DN 25	1295919

	L32SC				
	32 bar/240 °C	A105	Rp (BSP)	1/2"	1349204
	mit integriertem	Schmiedestahl		3/4"	
	Rückschlagventil			1"	

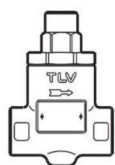
	L32SC				
	32 bar/240 °C	A105	Flansch	DN 15	1295905
		Schmiedestahl	PN 40	DN 20	1295913
				DN 25	1295921

LV-SERIE

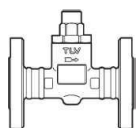
	LV13N				
	13 bar/200 °C	C3771/2.0380	Rp (BSP)	1/2"	1299144
		Messing		3/4"	1299145

	LV13L				
	13 bar/200 °C	C3771/2.0380	Rp (BSP)	1/2"	1297951
		Messing		3/4"	1297958

THERMISCHE BIMETALL-KONDENSATABLEITER LEX3N-TZ-SERIE



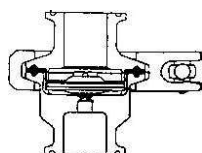
LEX3N-TZ				
46 bar/350 °C	CF8	Rp (BSP)	3/8"	1340465
	Edelstahl		1/2"	1340466
			3/4"	1340467
			1"	1340468
LEX3N-TZ				
46 bar/350 °C	CF8	Schweißmuffe	10mm	
	Edelstahl	ASME	15mm	1344350
			20mm	1345485
			25mm	1341937



LEXF3N-TZ				
46 bar/350 °C	CF8	Flansch	DN 15	1340501
	Edelstahl	PN 40	DN 20	1340502
			DN 25	1340503

KONDENSATABLEITER FÜR STERILBEREICHE

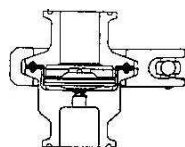
LV6-SERIE



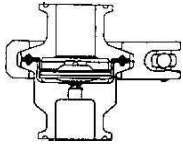
LV6-CE				
6 bar/165 °C	316L/1.4404	ISO 1127 tube ends		
Standard-Oberfläche	Edelstahl	(13.5x1.6)	DN 8	1118297
		(17.2x1.6)	DN 10	
		(21.3x1.6)	DN 15	1118294
		(26.9x1.6)	DN 20	
		(33.7x1.6)	DN 25	

LV6-CE				
6 bar/165 °C	316L/1.4404	ISO 2852 Clamp		
Standard-Oberfläche	Edelstahl	(34x15.2)	DN 15	1118291
		(34x19.3)	DN 20	1118288
		(50.5x22.6)	DN 25	1118287

LV6-CE				
6 bar/165 °C	316L/1.4404	ASME-BPE Clamp		
Standard-Oberfläche	Edelstahl	(25x9.4)	DN 15	1118292
		(25x15.75)	DN 20	1118285
		(50.5x22.1)	DN 25	1118290

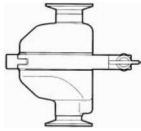


LV6-SF				
6 bar/165 °C	316L/1.4404	ISO 1127 tube ends		
Feinschliff	Edelstahl	(13.5x1.6)	DN 8	1107627
innen 0,8 µm, außen 1,2 µm		(17.2x1.6)	DN 10	1107621
		(21.3x1.6)	DN 15	1107613
		(26.9x1.6)	DN 20	1107650
		(33.7x1.6)	DN 25	1107632

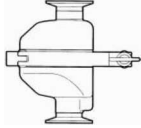


LV6-SF				
6 bar/165 °C	316L/1.4404	ISO 2852 Clamp		
Feinschliff	Edelstahl	(34x15.2)	DN 15	1107618
innen 0,8 µm, außen 1,2 µm		(34x19.3)	DN 20	
		(50.5x22.6)	DN 25	1107637
LV6-SF				
6 bar/165 °C	316L/1.4404	ASME-BPE Clamp		
Feinschliff	Edelstahl	(25x9.4)	DN 15	1107619
innen 0,8 µm, außen 1,2 µm		(25x15.75)	DN 20	1107629
		(50.5x22.1)	DN 25	1107631
LV6-P				
6 bar/165 °C	316L/1.4404	SO 1127 tube ends		
Poliert	Edelstahl	(13.5x1.6)	DN 8	
innen 0,8 µm, außen 1,2 µm		(17.2x1.6)	DN 10	
		(21.3x1.6)	DN 15	
		(26.9x1.6)	DN 20	
		(33.7x1.6)	DN 25	
LV6-P				
6 bar/165 °C	316L/1.4404	ISO 2852 Clamp		
Poliert	Edelstahl	(34x15.2)	DN 15	
innen 0,8 µm, außen 1,2 µm		(34x19.3)	DN 20	
		(50.5x22.6)	DN 25	
LV6-P				
6 bar/165 °C	316L/1.4404	ASME-BPE Clamp		
Poliert	Edelstahl	(25x9.4)	DN 15	1107603
innen 0,8 µm, außen 1,2 µm		(25x15.75)	DN 20	
		(50.5x22.1)	DN 25	
LV6-EP				
6 bar/165 °C	316L/1.4404	ISO 1127 tube ends		
Elektropoliert	Edelstahl	(13.5x1.6)	DN 8	
innen und außen 0,4 µm		(17.2x1.6)	DN 10	
		(21.3x1.6)	DN 15	
		(26.9x1.6)	DN 20	
		(33.7x1.6)	DN 25	
LV6-EP				
6 bar/165 °C	316L/1.4404	ISO 2852 Clamp		
Elektropoliert	Edelstahl	(34x15.2)	DN 15	
innen und außen 0,4 µm		(34x19.3)	DN 20	
		(50.5x22.6)	DN 25	
LV6-EP				
6 bar/165 °C	316L/1.4404	ASME-BPE Clamp		
Elektropoliert	Edelstahl	(25x9.4)	DN 15	1107570
innen und außen 0,4 µm		(25x15.75)	DN 20	1107574
		(50.5x22.1)	DN 25	

SS3P-SERIE



SS3-E				
6 bar/165 °C		CF3M	ISO 2852 Clamp	
Elektropoliert		Edelstahl	(34x15.2)	DN 15 1005747
innen und außen 25 µm			(34x19.3)	DN 20 1005749



SS3-E				
6 bar/165 °C		CF3M	ASME-BPE Clamp	
Elektropoliert		Edelstahl	(25x9.4)	DN 15 1005748
innen und außen 25 µm			(25x15.75)	DN 20 1005750

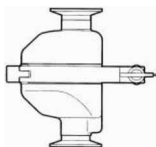
SS3-P				
6 bar/165 °C		CF3M	ISO 2852 Clamp	
innen mech. poliert 0,8µm		Edelstahl	(34x15.2)	DN 15 1006391
außen elektropoliert 25 µm			(34x19.3)	DN 20 1005776

SS3-P				
6 bar/165 °C		CF3M	ASME-BPE Clamp	
innen mech. poliert 0,8µm		Edelstahl	(25x9.4)	DN 15 1006389
außen elektropoliert 25 µm			(25x15.75)	DN 20 1005777

SS3-EP				
6 bar/165 °C		CF3M	ISO 2852 Clamp	
Elektropoliert		Edelstahl	(34x15.2)	DN 15 1006394
innen und außen 0,4 µm			(34x19.3)	DN 20 1005772

SS3-EP				
6 bar/165 °C		CF3M	ASME-BPE Clamp	
Elektropoliert		Edelstahl	(25x9.4)	DN 15 1006390
innen und außen 0,4 µm			(25x15.75)	DN 20 1005773

SS5P-SERIE



SS5-P				
6 bar/165 °C		CF3M	ISO 2852 Clamp	
		Edelstahl	(50.5x22.6)	DN 25 1345384
			(50.5x35.6)	DN 40

SS5-P				
6 bar/165 °C		CF3M	ASME-BPE Clamp	
		Edelstahl	(50.5x22.1)	DN 25 1346721
			(50.5x34.8)	DN 40 1073423

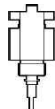
4 Zubehör für Kondensatableiter

Frostschutzventil / Bypassventil

NF-SERIE

Frostschutzventil	NF6				
	20 bar/220 °C	C3604	Rp (BSP)	1/4"	1292599
		Messing			

LR-SERIE

Bypassventil 	LR3				
	13 bar/200 °C	1.4305	für J3X	3/8"	3003524
	LR5				
	13 bar/200 °C	Edelstahl	für J5X	3/8"	3003523

Serie	Modell PMO/TMO	Gehäuse Werkstoff	Anschluss	Nenn- weite	Art.-Nr.
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5 QuickTrap® Kondensatableiter

FREISCHWIMMER MODELL FS3 / FS5(H)

FREISCHWIMMER MODELL FJ32-X / -B

FREISCHWIMMER MODELL FS1NH

THERMODYNAMISCHES MODELL FP46UC

THERMISCHES MODELL FL21 / FL32

S3 bzw. S5(H) Kondensatableiter + F46 Universalanschluss

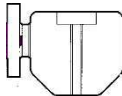
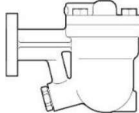
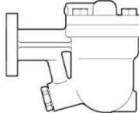
J32-X /-B Kondensatableiter + F46 Universalanschluss

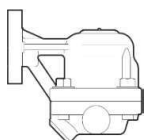
S1H Kondensatableiter + F46 Universalanschluss

P46UC Kondensatableiter + F46 Universalanschluss

L21/L32 Kondensatableiter und F46 Universalanschluss

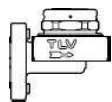
FREISCHWIMMER-KONDENSATABLEITER

	S3				
	5 bar/400 °C	1.4404 / 316L	Universalanschluss		1041753
	10 bar/400 °C	Edelstahl			1036608
	21 bar/400 °C				1036607
	S5				
	5 bar/400 °C	1.4404 / 316L	Universalanschluss		1041900
	10 bar/400 °C	Edelstahl			1036806
	21 bar/400 °C				1036805
	32 bar/400 °C				1036807
	S5H				
	46 bar/425 °C		Universalanschluss		1037032
	J32-X				
	2 bar/240 °C	CF8	Universalanschluss		1074429
	5 bar/240 °C	Edelstahl			1074430
	10 bar/240 °C				1074431
	14 bar/240 °C				1074433
	22 bar/240 °C				1074434
	32 bar/240 °C				1074432
	J32-B				
	2 bar/350 °C	CF8	Universalanschluss		1074440
	5 bar/350 °C	Edelstahl			1074441
	10 bar/350 °C				1074442
	14 bar/350 °C				1074444
	22 bar/350 °C				1074445
	32 bar/350 °C				1074443



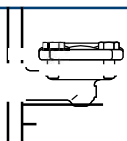
S1NH				
10 bar/400 °C	CF8	Universalanschluss		1045118
21 bar/400 °C	Edelstahl			1045112

THERMODYNAMISCHE KONDENSATABLEITER



P46UC				
46 bar/400 °C	Deckel SUS420F2	Universalanschluss		1003808
	Gehäuse SUS420J2			

THERMISCHE KONDENSATABLEITER



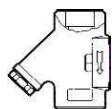
L21	Schmiedestahl Gehäuse	Universalanschluss		
21 bar/240 °C	Edelstahl			1339711

L32				
32 bar/240 °C		Universalanschluss		

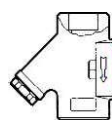
L21C				
21 bar/240 °C		Universalanschluss		

L32C				
32 bar/240 °C		Universalanschluss		

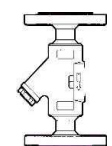
UNIVERSALANSCHLÜSSE



F46				
	CF8	Rp (BSP)	1/2"	1009562
	Edelstahl		3/4"	1009563
			1"	1009564



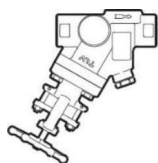
F46				
	CF8	Schweißmuffe	DN 15	1009573
	Edelstahl	ASME	DN 20	1009576
			DN 25	1009579



F46				
	CF8	Flansch	DN 15	1009830
	Edelstahl	PN 40	DN 20	1009831
			DN 25	1009832

6 Entwässerungseinheiten

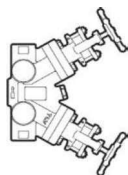
V1-SERIE



V1-LB				
46 bar/400 °C	Gehäuse:	Rp (BSP)	1/2"	1343485
	Edelstahl		3/4"	1343486
	Oberteil			
	mit Handrad	Schweißmuffe	15mm	1342370
	C-Stahl	ASME	20mm	1342371

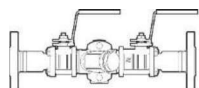
V1-RB				
46 bar/400°C	Gehäuse:	Rp (BSP)	1/2"	1343497
	Edelstahl		3/4"	1343498
	Oberteil			
	mit Handrad	Schweißmuffe	15mm	1342368
	C-Stahl	ASME	20mm	1342369

V2-SERIE

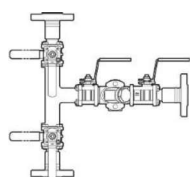


V2-LB				
46 bar/400°C		Rp (BSP)	1/2"	1343524
	Gehäuse:		3/4"	1343525
	Edelstahl			
	Oberteil	Schweißmuffe	15mm	1341204
	mit Handrad	ASME	20mm	1341203
	C-Stahl			
V2-RB				
46 bar/400°C	Gehäuse:	Rp (BSP)	1/2"	1343536
	Edelstahl		3/4"	1343537
	Oberteil			
	mit Handrad	Schweißmuffe	15mm	1341201
	C-Stahl	ASME	20mm	1341200

QS10-SERIE

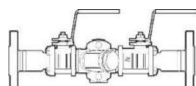


QS10-B				
Kompakt Einheit:	CF8	Rp (BSP)	1/2"	1097200
Kondensatableiter-Universalanschluss	Edelstahl		3/4"	1097203
2 Kugelhähne			1"	1097220
Schmutzfänger & Rückschlagventil				
10 bar/185°C				
	CF8	Flansch	DN 15	1097194
	Edelstahl	PN 25/40	DN 20	1097208
			DN 25	1097219

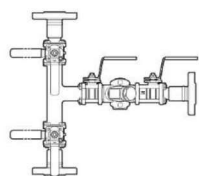


QS10-T				
Kompakt Einheit:	CF8	Rp (BSP)	1/2"	1097261
Kondensatableiter-Universalanschluss	Edelstahl		3/4"	1097262
4 Kugelhähne			1"	1097270
Schmutzfänger & Rückschlagventil				
10 bar/185°C				
	CF8	Flansch	DN 15	1097251
	Edelstahl	PN 25/40	DN 20	1097263
			DN 25	1097269

QS18-SERIE



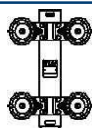
QS18-B				
Kompakt Einheit:	CF8	Rp (BSP)	1/2"	1111112
Kondensatableiter-Universalanschluss	Edelstahl		3/4"	1111113
2 Kugelhähne			1"	1111115
Schmutzfänger & Rückschlagventil				
18 bar/220°C				
	CF8	Flansch	DN 15	1111143
	Edelstahl	PN 25/40	DN 20	1111147
			DN 25	1111155



QS18-T				
Kompakt Einheit:	CF8	Rp (BSP)	1/2"	1111552
Kondensatableiter-Universalanschluss	Edelstahl		3/4"	1111572
4 Kugelhähne			1"	1111599
Schmutzfänger & Rückschlagventil 18 bar/220°C				
	CF8	Flansch	DN 15	1111555
	Edelstahl	PN 25/40	DN 20	1111585
			DN 25	1111598

Mehrpriis für entsprechende Kondensatableiter siehe QuickTraps (oben)

7 Dampfverteiler und Kondensatsammler M4-SERIE



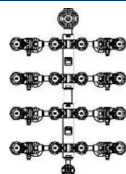
M4				
50 bar/400°C		Schweißmuffe		
mit Faltenbalg-Absperrventilen	A105	ASME	15 mm	1341853
	C-Stahl		20 mm	1341854

SM-SERIE



SM				
Dampfverteiler	C-Stahl	Schweißmuffe	SM4	
50 bar/400°C		ASME		
			SM8	
			SM12	

CM-SERIE



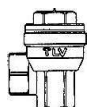
CM				
Kondensatsammler	C-Stahl	Schweißmuffe	CM4	
50 bar/400°C		ASME		
			CM8	
			CM12	

8 Entlüfter

DAMPFENTLÜFTER LA-SERIE



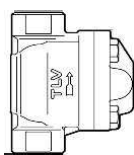
LA21				
21 bar/235 °C	CF8	Rp (BSP)	1/2"	1289322
	Edelstahl			



LA13L				
13 bar/200 °C	Messing	Rp (BSP)	1/2"	1297947
			3/4"	1297955

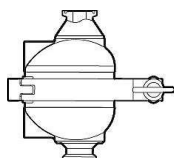
FLÜSSIGKEITSENTLÜFTER (FREISCHWIMMERPRINZIP)

VS1C-Serie

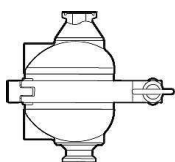


VS1C-R				
10 bar/150°C	CF8	Rp (BSP)	1/2"	1340050
	Edelstahl		3/4"	1340051
			1"	1340052
21 bar/150°C	weichdichtend			
	FPM	Rp (BSP)	1/2"	1347592
		Rp (BSP)	3/4"	1340054
		Rp (BSP)	1"	1340055
VS1C-M				
10 bar/220°C	CF8	Rp (BSP)	1/2"	1347599
	Edelstahl	Rp (BSP)	3/4"	1003323
		Rp (BSP)	1"	1346616
21 bar/220°C	metallisch			
	dichtend	Rp (BSP)	1/2"	1062987
		Rp (BSP)	3/4"	1347555
		Rp (BSP)	1"	1349374

VS3-SERIE



VS3-E				
6 bar/150 °C		ISO 2852 Clamp		
	CF3M	(34x15.2)	DN 15	
	Edelstahl	(34x19.3)	DN 20	
		ASME-BPE Clamp		
		(25x9.4)	DN 15	
		(25x15.75)	DN 20	1005954
VS3-P				
6 bar/150 °C		ISO 2852 Clamp		
	CF3M	(34x15.2)	DN 15	1005804
	Edelstahl	(34x19.3)	DN 20	1005805
		ASME-BPE Clamp		
		(25x9.4)	DN 15	
		(25x15.75)	DN 20	1005972



VS3-EP				
6 bar/150 °C		ISO 2852 Clamp		
	CF3M	(34x15.2)	DN 15	
	Edelstahl	(34x19.3)	DN 20	
		ASME-BPE Clamp		
		(25x9.4)	DN 15	
		(25x15.75)	DN 20	1005981

VC-SERIE



VC2				
Weichdichtend: NBR 0,5 - 5 bar/100 °C	BC6	Rp (BSP)		
			1/2"	1344249

VAS-SERIE



VAS				
10 bar/100 °C	FC250	Rp (BSP)	3/4"/1 1/2"	1295531
	Grauguss		1 1/2"/1"	

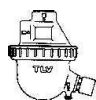
9 Druckluft- und Gasentwässerer

JA3-Serie



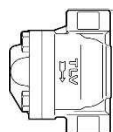
JA3				
8 bar/100 °C	GGG40.3	Rp (BSP)	1/2"	1073219
	Sphäroguss		3/4"	
			1"	1074605
16 bar/100 °C	GGG40.3	Rp (BSP)	1/2"	1073218
	Sphäroguss		3/4"	1073220
			1"	1084802

JA3D-Serie



JA3D				
16 bar/100 °C	ZDC	Rp (BSP)	1/2"	1286768

SS1VG-Serie



SS1VG-M				
metallisch dichtend	CF8	Rp (BSP)	1/2"	1340141
5 bar/ 220 °C	Edelstahl		3/4"	
			1"	1340149
metallisch dichtend	CF8	Rp (BSP)	1/2"	1340142
10 bar/ 220 °C	Edelstahl		3/4"	1340146
			1"	1340150
metallisch dichtend	CF8	Rp (BSP)	1/2"	1340143
16 bar/ 220 °C	Edelstahl		3/4"	
			1"	
metallisch dichtend	CF8	Rp (BSP)	1/2"	1340144
21 bar/ 220 °C	Edelstahl		3/4"	1340148
			1"	1340152

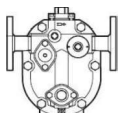
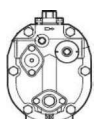
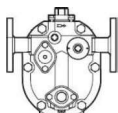


SS1VG-R				
Weichdichtend FPM	CF8	Rp (BSP)	1/2"	1340242
10 bar/150 °C	Edelstahl		3/4"	1340243
			1"	1340244

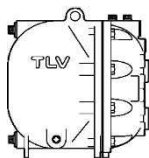
10 Kondensatförderung

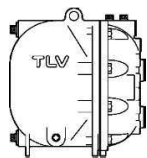
KONDENSATHEBER / PUMP-KONDENSATABLEITER

GP5C / GT5C SERIE

	GP5C				
	Kondensatheber				
	5 bar/185 °C	GG25/FC250	Rp (BSP)	1"/1"	1045032
	integrierte Rückschlagventile	CF8		1"/1"	1045031
	GP5C				
	5 bar/185 °C	GG25/FC250	Flansch PN 16	DN 25/25	1045042
	integrierte Rückschlagventile	CF8		DN 25/25	1045034
	GT5C				
	Pump-Kondensatableiter				
	5 bar/185 °C	GG25/FC250	Rp (BSP)	1"/1"	1346162
	integrierte Rückschlagventile	CF8		1"/1"	1349916
	GT5C				
	5 bar/185 °C	GG25/FC250	Flansch PN 16	DN 25/25	1346284
	integrierte Rückschlagventile	Edelstahl CF8		DN 25/25	1349917

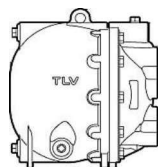
GP10L/GT10L-SERIE

	GP10L				
	Kondensatheber	GG25/FC250	Rp (BSP)	1"/1"	1A14016
	10,5 bar/185 °C				
		WCB		1"/1"	1A14010
	inkl. Rückschlagventile	CF8		1"/1"	1A14007
	CK3MG				
	GP10L				
	inkl. Rückschlagventile	GG25/FC250	Flansch PN16	1"/1"	1A14019
	CKF5M	WCB		1"/1"	1A14020
		CF8		1"/1"	1A14021
	GP10L				
	inkl. Rückschlagventile	GG25/FC250	Rp (BSP)	1 1/2"-1"	1A14014
	CK3MG	WCB		1 1/2"-1"	1A14012
		CF8		1 1/2"-1"	1A14018



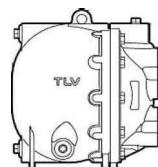
GT10L				
Pump-Kondensatableiter	GG25/FC250	Rp (BSP)	1"/1"	1A14055
10,5 bar/185 °C				
	WCB		1"/1"	1A14045
inkl				
Rückschlagventile	CF8		1"/1"	1A14048
CK3MG				
GT10L				
inkl	GG25/FC250	Flansch PN 16	1"/1"	1A14053
Rückschlagventile				
CKF5M	WCB		1"/1"	1A14050
	CF8		1"/1"	1A14056
GT10L				
inkl	GG25/FC250	Rp (BSP)	1 1/2"-1"	1A14054
Rückschlagventile				
CK3MG	WCB		1 1/2"-1"	1A14046
	CF8		1 1/2"-1"	1A14049

GP14L/GT14L-SERIE



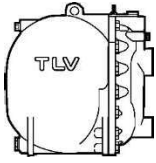
GP14L				
Kondensatheber				
13 bar/200 °C	GG25/FC250	Flansch PN 40	DN 40/25	1A14033
14 bar/220 °C	WCB	inkl		1A10419
		Rückschlagventile		
14 bar/220 °C	CF8	CKF5M / CKF3M		1A10420
GT14L				
Pump-Kondensatableiter				
13 bar/200 °C	GG25/FC250	Flansch PN 40	DN 40/25	1A14064
14 bar/220 °C	WCB	inkl.		1A14063
		Rückschlagventile		
14 bar/220 °C	CF8	CKF5M / CKF3M		1A14065

GP14M/GT14M-SERIE



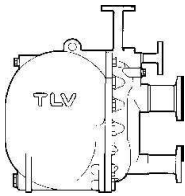
GP14M				
Kondensatheber				
13 bar/200 °C	GG25/FC250	Flansch PN 40	DN 40/40	1A14031
14 bar/220 °C	WCB	inkl		1A14030
		Rückschlagventile		
14 bar/220 °C	CF8	CKF5M / CKF3M		1A14032
GT14M				
Pump-Kondensatableiter				
13 bar/200 °C	GG25/FC250	Flansch PN 40	DN 40/40	1A14067
14 bar/220 °C	WCB	inkl		1A14068
		Rückschlagventile		
14 bar/220 °C	CF8	CKF5M / CKF3M		1A14069

GP/GT10-SERIE



GP10				
Kondensatheber				
10,5 bar/185 °C				
inkl.	GG25/FC250	Rp (BSP)	3"/2"	1A14002
Rückschlagventile				
CK3MG				
inkl.	WCB	Flansch PN 40	DN 80/50	1A14004
Rückschlagventile				
CKF3MG				
GT10				
Pump-Kondensatableiter				
10,5 bar/185 °C				
inkl.	GG25/FC250	Rp (BSP)	3"/2"	1A14039
Rückschlagventile				
CK3MG				
inkl.	WCB	Flansch PN 40	DN 80/50	1A14040
Rückschlagventile				
CKF3MG				

GP/GT14-SERIE



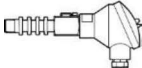
GP14				
Kondensatheber				
13 bar/200°C	GG25/FC250	Rp (BSP)	3"/2"	
inkl.				
Rückschlagventile				
CK3MG				
14 bar/200°C	WCB	Flansch PN 40	DN 80/50	1A14027
inkl				
Rückschlagventile				
CKF3MG				
GT14				
Pump-Kondensatableiter				
13 bar/200°C	GG25/FC250	Rp (BSP)	3"/2"	
inkl.				
Rückschlagventile				
CK3MG				
14 bar/200 °C	WCB	Flansch PN 40	DN 80/50	
inkl				
Rückschlagventile				
CKF3MG				

Hubzähler für GP-SERIE



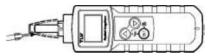
C1CM				
C1CM-Ex				1028448
für GP10L, GP14L, GP14M				1029354
GP10 und GP14				
C1CF				
C1CF-Ex				1028455
für GP10F				1029353
C1SM				
C1SM-Ex				1028462
für GP10L, GP14L, GP14M				1029356
GP10 und GP14				
C1SF				
C1SF-Ex				1028465
für GP10F				1029355

mit Anschlussgehäuse ohne Zähler



11 Prüf- und Messtechnik PRÜFSYSTEME / MESSINSTRUMENTE

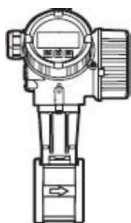
POCKET TRAP MAN-PT1



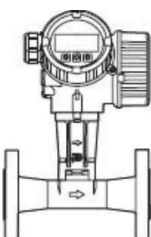
PT1				
				1069848

EF200-SERIE

Dampfmengenmesser



EF200W				
0 - 49,6 bar	1.4435	Zwischenflansch	DN 15	1093142
-200 / 400 °C	Edelstahl		DN 25	1093135
			DN 40	1093137
Kompaktausführung			DN 50	1093138
			DN 80	1093141
			DN 100	1093133
			DN 150	1093132



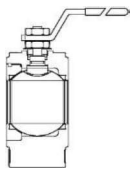
EF200F				
0 - 49,6 bar	1.4435	Flansch	DN 15	1092835
-200 / 400 °C	Edelstahl	PN 40	DN 25	1092836
			DN 40	1092837
Kompaktausführung			DN 50	1092838
			DN 80	1092839
			DN 100	1092840
Getrenntausführung und weitere Optionen auf Anfrage			DN 150	1092841

Manometer MS-MAVW

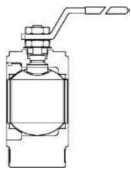
Manometer				
Edelstahl	0-1 bar ü		G 1/2"	1A04144
D=100 mm	0-2,5 bar ü		G 1/2"	1A04151
	0-4 bar ü		G 1/2"	1A04145
	0-6 bar ü		G 1/2"	1A04146
	0-10 bar ü		G 1/2"	1A04148
	0-16 bar ü		G 1/2"	1A04150
	0-25 bar ü		G 1/2"	1A04149
Absperrventil	Edelstahl		G 1/2"	1A14904
	Stahl		G 1/2"	1A14905
Wassersackrohr Kreisform	Edelstahl		G 1/2"	1A14906
	Stahl		G 1/2"	1A14907
Dichtungssatz	Kupfer	2 St./Satz		5A02264
Glyzerinefüllung				Mehpreis

12 Sonstige Armaturen

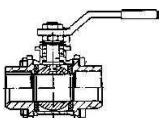
KUGELHÄHNE BV-SERIE



BV6S				
9 bar/180 °C	A105	Zwischenflansch	DN 15	1A05511
	C-Stahl	PN 16	DN 20	1A05513
			DN 25	1A05514
			DN 32	1A05515
			DN 40	1A05516
			DN 50	1A05517
			DN 65	1A05501
			DN 80	1A05518
			DN 100	1A05512



BV6E				
9 bar/180 °C	DIN 1.4401	Zwischenflansch	DN 15	1A05502
	Edelstahl	PN 16	DN 20	1A05504
			DN 25	1A05505
			DN 32	1A05506
			DN 40	1A05507
			DN 50	1A05508
			DN 65	1A05509
			DN 80	1A05510
			DN 100	1A05503



BV1				
10 bar/185 °C	DIN 1.4401	Rp (BSP)	1/2"	1046789
	Edelstahl		3/4"	1046790
			1"	1046791
			1-1/4"	1046792
			1-1/2"	1046793
			2"	1046794
			2 1/2"	1337898
			3"	1335496

ABSPERRVENTILE BE8H-SERIE

Faltenbalg-Absperrventil

BE8H-16

13 bar/200°C

GG-25

Flansch

DN 15

1A04394

Grauguss

PN 16

DN 20

1A04395

DN 25

1A04396

DN 32

1A04397

DN 40

1A04398

DN 50

1A04399

DN 65

1A04400

DN 80

1A04401

DN 100

1A04403

DN 125

1A04405

DN 150

1A04404

BE8H-25

25 bar/350°C

GGG 40.3

Flansch

DN 15

1A04402

Grauguss

PN 25

DN 20

1A04406

DN 25

1A04407

DN 32

1A04410

DN 40

1A04411

DN 50

1A04412

DN 65

1A04413

DN 80

1A04414

DN 100

1A04415

DN 125

1A04417

DN 150

1A04416

BE8H-40

40 bar/400°C

1.0619

Flansch

DN 15

1A04422

Stahlguss

PN 40

DN 20

1A04423

DN 25

1A04424

DN 32

1A04425

DN 40

1A04426

DN 50

1A04427

DN 65

1A04428

DN 80

1A04429

DN 100

1A04430

DN 125

1A04431

DN 150

1A04432

BE8H-40E

40 bar/400°C

1.4408

Flansch

DN 15

1A19350

Edelstahl

PN 40

DN 20

1A19353

DN 25

1A15787

DN 32

1A18478

DN 40

1A17519

DN 50

1A19354

DN 65

1A18479

DN 80

1A19355

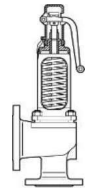
DN 100

1A19357

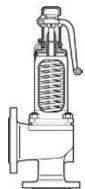
SICHERHEITSVENTILE SV-SERIE



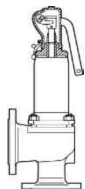
SV4421.H3				
16 bar/300°C	0.6025	Flansch	DN20/32	1A04111
	Grauguss	PN 16	DN25/40	1A04112
mit offener Federhaube			DN32/50	1A10402
und Anlüftung			DN40/65	1A10403
			DN50/80	1A10404
			DN65/100	1A10405
			DN 80/125	1A10406
			DN 100/150	1A04118



SV4425.H3				
40 bar/350°C	0.7043	Flansch	DN25/40	1A10408
	Sphäroguss	PN 25	DN32/50	1A10409
mit offener Federhaube			DN40/65	1A10410
und Anlüftung			DN50/80	1A10411
			DN65/100	1A10412
			DN 80/125	1A15589
			DN 100/150	1A06711

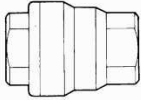
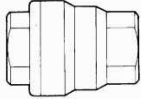
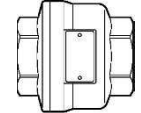


SV4422.H3				
40 bar/450°C	1.0619	Flansch	DN20/40	1A10414
	Stahlguss	PN 40	DN 25/40	1A10415
mit offener Federhaube			DN 32/50	1A06472
und Anlüftung			DN 40/65	1A04132
			DN 50/80	1A04133
			DN 65/100	1A06473
			DN 80/125	1A06567
			DN 100/150	1A06568

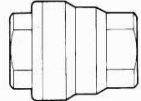
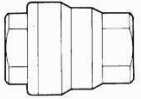


SV4414.H4				
40 bar/400°C	1.4408/CF8M	Flansch	DN 25/40	1A10401
	Edelstahl	PN 25	DN 32/50	1A04104
mit geschlossener Federhaube			DN 40/65	1A04077
und Anlüftung			DN 50/80	1A15771
			DN 65/100	
			DN 80/125	1A16183
Mehrpreis Entwässerungsbohrung	46,-		DN 100/125	

RÜCKSCHLAGVENTILE CK-SERIE

	CK3M				
	10 bar/220 °C	Messing	Rp (BSP)	1/2"	1290260
	metallisch dichtend	C3604/CAC407		3/4"	1290159
				1"	1295536
				1-1/4"	1290005
				1-1/2"	1289999
				2"	1295546
	CK3ME				
	21 bar/220 °C	CF8	Rp (BSP)	1/2"	1290247
	metallisch dichtend	Edelstahl		3/4"	1295532
				1"	1290308
				1-1/4"	1295539
				1-1/2"	1295543
				2"	1288211
	CK3MG				
	21 bar/220 °C	CF8	Rp (BSP)	1"	1299083
	metallisch dichtend	<=> DIN		1-1/2"	1299327
		Edelstahl		2"	1298599
				3"	1298602

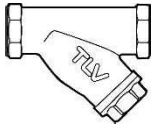
RÜCKSCHLAGVENTILE CK3T-SERIE

	CK3T				
	10 bar/185 °C	Messing	Rp (BSP)	1/2"	1295530
	weichdichtend (PTFE)	C3604/CAC407		3/4"	1295534
				1"	1295538
				1-1/4"	1295541
				1-1/2"	1295545
				2"	1347551
	CK3TE				
	16 bar/185 °C	CF8	Rp (BSP)	1/2"	1295529
	weichdichtend (PTFE)	Edelstahl		3/4"	1295533
				1"	1295537
				1-1/4"	1295540
				1-1/2"	1295544
				2"	1295547

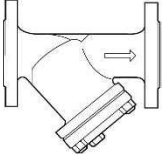
ZWISCHENFLANSCH-RÜCKSCHLAGVENTILE CKF-SERIE

	CKF3M				
	30 bar/350 °C	CF8	Zwischenflansch	DN 20	1297050
	metallisch dichtend	Edelstahl	PN 10-40	DN 25	1299470
				DN 32	1296307
				DN 40	1296313
	CKF3MG				
	30 bar/350 °C	CF8	Zwischenflansch	DN 50	1348035
	metallisch dichtend	Edelstahl	PN 10-40	DN 65	1339254
	geführt			DN 80	1339255
				DN 100	1339256

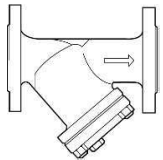
SCHMUTZFÄNGER Y-SERIE



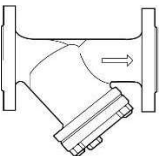
Y3				
21 bar/220 °C	CF8	Rp (BSP)	1/2"	1347598
	Edelstahl		3/4"	1348010
			1"	1347603
			1-1/4"	1347651
			1-1/2"	1347590
			2"	1347656



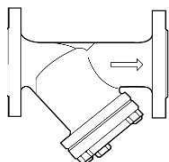
Y8F-16				
13 bar/200 °C	EN-GJL-250	Flansch	DN 15	1A04363
	Grauguß	PN 16	DN 20	1A04358
			DN 25	1A04364
			DN 32	1A04362
			DN 40	1A04359
			DN 50	1A04360
			DN 65	1A04365
			DN 80	1A04361
			DN100	1A04367
			DN125	1A04375
			DN150	1A04379



Y8F-25				
25 bar/350 °C	EN-GJS-400-18-LT	Flansch	DN 15	1A04382
	Sphäroguß	PN 25	DN 20	1A04383
			DN 25	1A04384
			DN 32	1A04357
			DN 40	1A04387
			DN 50	1A04388
			DN 65	1A04392
			DN 80	1A04389
			DN 100	1A04385
			DN 125	1A04390
			DN 150	1A04391

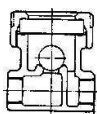


Y8F-40				
40 bar/400 °C	1.0619	Flansch	DN 15	1A04377
	Stahlguß	PN 40	DN 20	1A04368
			DN 25	1A04380
			DN 32	1A04376
			DN 40	1A04371
			DN 50	1A04372
			DN 65	1A04381
			DN 80	1A04373
			DN 100	1A04366
			DN 125	1A04374
			DN 150	1A04378



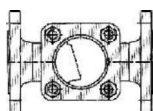
Y8F-40E				
40 bar/400 °C	1.4408	Flansch	DN 15	1A19478
	Edelstahl	PN 40	DN 20	1A19479
			DN 25	1A19480
			DN 32	1A19481
			DN 40	1A19482
			DN 50	1A19483
			DN 65	1A19484
			DN 80	1A19485
			DN 100	1A19486
			DN 125	1A19487
			DN 150	1A19488

SCHAUGLÄSER T8N-SERIE



T8N				
13 bar/200 °C	FC250	Rp (BSP)	1/2"	1288204
	Grauguss		3/4"	1289196
			1"	1288731

SCHAUGLÄSER SG-SERIE

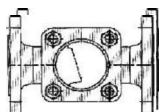


SG880-16				
16 bar/280 °C	GG25	Flansch	DN 15	1A16381
	Grauguss	PN 16	DN 20	1A16412
			DN 25	1A16101
			DN 32	1A16176
			DN 40	1A16177
			DN 50	1A16413

SG880-40

40 bar/280 °C

	1.0619	Flansch	DN 15	1A15830
	Stahlguss	PN 40	DN 20	1A15831
			DN 25	1A15832
			DN 32	1A15937
			DN 40	1A15938
			DN 50	1A15939



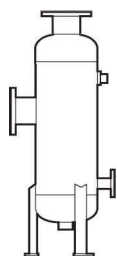
SG880E-40

40 bar/280 °C

	1.4408	Flansch	DN 15	1A22053
	Stainless steel	PN 40	DN 20	1A22054
			DN 25	1A22055
			DN 32	1A22056
			DN 40	1A22057
			DN 50	1A22058

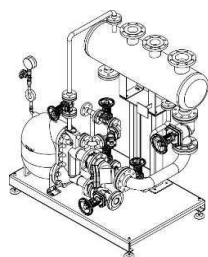
13 Systemlösungen

ENTSPANNER FV-SERIE



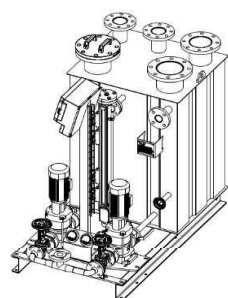
FV				
16 bar/200 °C	C-Stahl P235GH			
	max. Kondensat- menge	max. Nachdampf- menge	Inhalt	
FV-200	ca.. 3800 kg/h	ca.. 375 kg/h	30 Liter	1A04316
FV-300	ca.. 6800 kg/h	ca.. 825 kg/h	75 Liter	1A14909
FV-400	ca.. 10300 kg/h	ca.. 1350 kg/h	140 Liter	1A14910

POWER TRAP® SKIDS



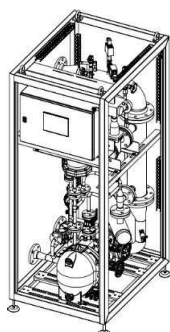
PTS SERIE				
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ELEKTRISCHE RÜCKSPEISEANLAGE (EPS)



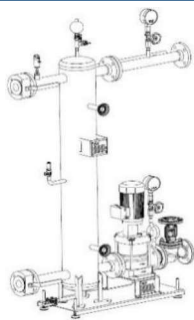
EPS SERIE				
Druckloser Behälter aus Edeltahl 1.4301				
Zwei redundante Low-NPSH Pumpen				
Bypass-Niveauanzeiger mit vier Magnetschaltern				
Pumpenkonsolle mit Reguliereinheit				
Steuerung bauseits				
Modell	Behälterinhalt // max. Fördermenge	Förderhöhe	Pumpen- leistung	Art.-Nr.
EPS 500	550 Liter // 2.500 kg/h	25 m WS	0,55 kW	1A24478
EPS 1000	1000 Liter // 5.000 kg/h	25 m WS	1,1 kW	1A24496
EPS 1500	1500 Liter // 7.500 kg/h	25 m WS	1,1 kW	1A24582
EPS 2000	2000 Liter // 10.000 kg/h	25 m WS	2,2 kW	1A25042
EPS 3000	3000 Liter // 15.000 kg/h	25 m WS	2,2 kW	1A25097
Steuerung PS2				
50 m Pumpe				
Reed-Kette				
Isolierpaket				

STEAM AQUA® Wärmeübertrager-Kompaktstation



SQ-Serie				
Modell		Nennleistun	Art.-Nr.	
SQ2		200 kW	1A19727	
SQ4		400 kW	1A14868	
SQ6		600 kW	1A19728	
Isolierpaket für SQ2			3A03302	
Isolierpaket für SQ4			3A03301	
Isolierpaket für SQ6			3A03300	

Hydraulische Weiche HS



HS-Serie				
Modell				Art.-Nr.
HS2				1A25948
HS4				1A25947
HS6				1A25948

DAMPFVERDICHTER SC-SERIE

SC-Serie				
Zur Nutzung von Entspannungsdampf und Niederdruckdampf				

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Postfach 021086
10122 Berlin
T +493054453330
www.intabis.de

WASSERDAMPF IM SÄTTIGUNGSZUSTAND

Überdruck P _ü bar	Druck		Temperatur Satttdampf t _s °C	Wärmeinhalt Wasser h _f kJ / kg	Ver- dampfungs- wärme r kJ / kg	Wärmeinhalt Dampf h _g kJ / kg	Spezifische Werte	
	absoluter Druck P bar						Volumen Dampf v _g m ³ / kg	Dichte Dampf ρ _g kg / m ³
	0,1		45,8	191,8	2.393	2.585	14,67	0,0681
	0,2		60,1	251,5	2.358	2.610	7,650	0,1307
	0,3		69,1	289,3	2.336	2.625	5,229	0,1912
	0,4		75,9	317,7	2.319	2.637	3,993	0,2504
	0,5		81,3	340,6	2.305	2.646	3,240	0,3086
	0,6		86,0	359,9	2.294	2.654	2,732	0,3661
	0,7		90,0	376,8	2.283	2.660	2,365	0,4229
	0,8		93,5	391,7	2.274	2.666	2,087	0,4792
	0,9		96,7	405,2	2.266	2.671	1,869	0,5350
0	1,0		99,6	417	2.258	2.675	1,694	0,5904
0,1	1,1		102,3	429	2.251	2.680	1,549	0,6455
0,2	1,2		104,8	439	2.244	2.683	1,428	0,7002
0,3	1,3		107,1	449	2.238	2.687	1,325	0,7547
0,4	1,4		109,3	458	2.232	2.690	1,236	0,8088
0,5	1,5		111,4	467	2.226	2.693	1,159	0,8628
0,6	1,6		113,3	475	2.221	2.696	1,091	0,9165
0,7	1,7		115,2	483	2.216	2.699	1,031	0,9700
0,8	1,8		116,9	491	2.211	2.702	0,977	1,0230
0,9	1,9		118,6	498	2.206	2.704	0,929	1,0760
1,0	2,0		120,2	505	2.201	2.706	0,885	1,129
1,5	2,5		127,4	535	2.181	2.716	0,718	1,392
2,0	3,0		133,5	561	2.163	2.724	0,606	1,651
2,5	3,5		138,9	584	2.147	2.731	0,524	1,908
3,0	4,0		143,6	605	2.133	2.738	0,462	2,163
3,5	4,5		147,9	623	2.120	2.743	0,414	2,417
4,0	5,0		151,8	640	2.107	2.747	0,375	2,669
4,5	5,5		155,5	656	2.096	2.752	0,343	2,920
5,0	6,0		158,8	670	2.085	2.755	0,316	3,170
6	7		165,0	697	2.065	2.762	0,2727	3,667
7	8		170,4	721	2.046	2.767	0,2403	4,162
8	9		175,4	743	2.029	2.772	0,2148	4,655
9	10		179,9	763	2.013	2.776	0,1943	5,147
10	11		184,1	781	1.999	2.780	0,1774	5,637
11	12		188,0	798	1.984	2.782	0,1632	6,127
12	13		191,6	815	1.971	2.786	0,1511	6,617
13	14		195,0	830	1.958	2.788	0,1407	7,106
14	15		198,3	845	1.945	2.790	0,1317	7,596
15	16		201,4	859	1.933	2.792	0,1237	8,085
16	17		204,3	872	1.921	2.793	0,1166	8,575
17	18		207,1	885	1.910	2.795	0,1103	9,065
18	19		209,8	897	1.899	2.796	0,1047	9,555
19	20		212,4	909	1.888	2.797	0,0995	10,050
20	21		214,9	920	1.878	2.798	0,0949	10,540
24	25		223,9	962	1.839	2.801	0,0799	12,51
25	26		226,0	972	1.829	2.801	0,0769	13,01
29	30		233,8	1.008	1.794	2.802	0,0666	15,01
30	31		235,7	1.017	1.785	2.802	0,0645	15,51
39	40		250,3	1.087	1.713	2.800	0,0498	20,10
40	41		251,8	1.095	1.705	2.800	0,0485	20,62
49	50		263,9	1.154	1.640	2.794	0,0394	25,36