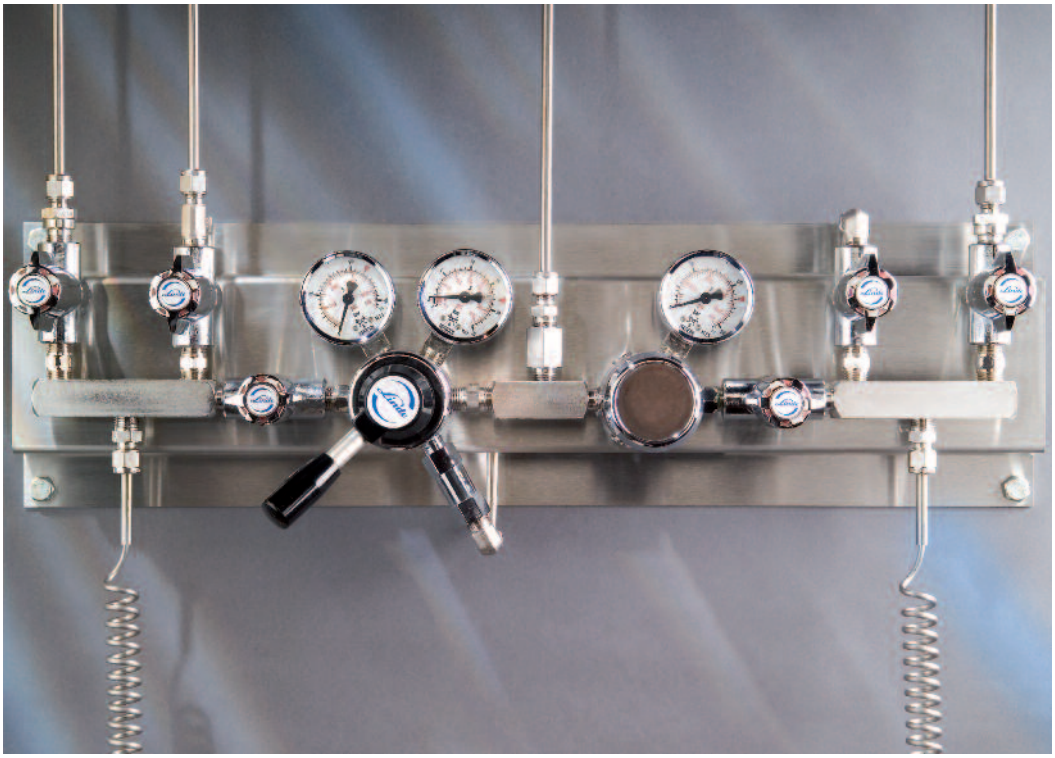
REDLINE® Gas panels A 209. Semi-automatic gas panel.



Single stage, semi-automatic gas supply panel with external gas purging, designed for reactive, toxic and corrosive gases.

Description

Gas panel A 209 is a semi-automatic gas panel designed for uninterrupted gas supply. Switch-over between the two connected cylinders or bundles occurs when the pressure of one side (the primary side) falls below a pre-set pressure level. This is achieved by two integrated regulators (factory-set to slightly different delivery pressure levels) which are connected at their outlet ports.

Semi-automatic supply panels should be connected to an alarm so that the cylinders will be switched on time.

The panel can also be equipped with contact gauge (/C models) for automatic surveillance. When applicable the panel can be ordered with residual gas line (/R models) connecting the relief valve with the purge outlet.

Highlights

- Continuous supply of pure gases
- Automatic switch over without auxiliary power
- Positive indication of active cylinder
- Process-gas purging system
- High flow capacity
- Compact design

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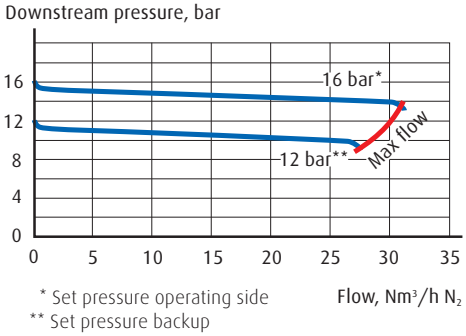
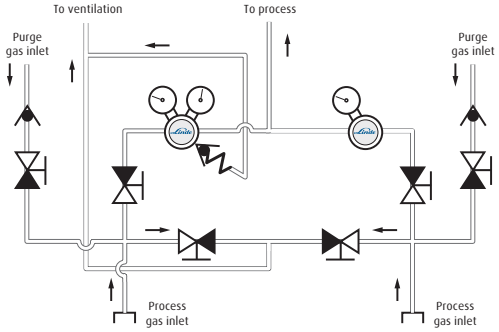
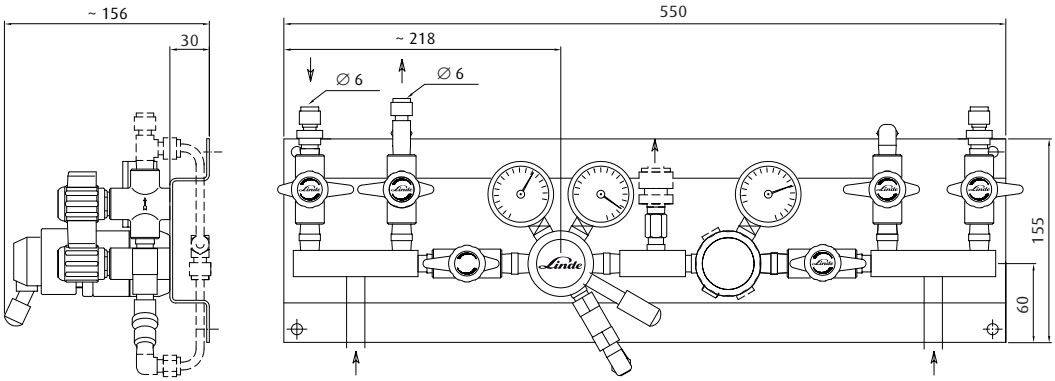
Technical data

Inlet primary pressure	230 bar	3,300 psi
Outlet pressure	14 +3/–3 bar	200 +45/–45 psi
	50 +8/–10 bar	725 +115/–145 psi
Operating temperature	–20 – +70°C	–4 – +158°F
Connection	2x1 to 2x4 cylinders	
Process gas in	NPT 1/4" female	
Process gas out	NPT 1/4" female	
Purge gas inlet	NPT 1/4" female	
Purge gas outlet	Tube fitting 6 mm	
Material		
Housing	Brass, Ni/Cr plated	
	Stainless steel 316L	
Seals	PVDF	PCTFE
Membrane	Hastelloy®	





All measurements in millimeters.
Model R. Drawings of other types available on request.



Linde AG
Linde Gases Division, Seitnerstrasse 70, D-82049 Pullach, Germany
Phone +49.89.74 46 1661, Fax +49.89.74 46-2071, e-mail: hiq@linde-gas.com, http://hiq.linde-gas.com.

1010 – GDP Subject to change.

B = Brass
SS = Stainless steel
Cx = Coil and number of cylinders
SHx = Short flexihose and number of cylinders
LHx = Long flexihose and number of cylinders
C = Contact gauge
R = Residual gas outlet
RC = Residual gas outlet and contact gauge

A 209

Specifications		bar	psi	HiQ® code
B		14	200	3168
B		50	725	3467
SS		14	200	3169
SS		50	725	3468

A 209 coil and 2 cylinders

Specifications		bar	psi	HiQ® code
B	C2	14	200	4378
B	C2	50	725	4379
SS	C2	14	200	4396
SS	C2	50	725	4397

A 209 coil and 4 cylinders

Specifications		bar	psi	HiQ® code
B	C4	14	200	4380
B	C4	50	725	4381
SS	C4	14	200	4398
SS	C4	50	725	4399

A 209 coil and 8 cylinders

Specifications		bar	psi	HiQ® code
B	C8	14	200	4382
B	C8	50	725	4383
SS	C8	14	200	4400
SS	C8	50	725	4401

A 209 short flexihose and 2 cylinders

Specifications		bar	psi	HiQ® code
B	SH2	14	200	4384
B	SH2	50	725	4385
SS	SH2	14	200	4402
SS	SH2	50	725	4403

A 209 short flexihose and 4 cylinders

Specifications		bar	psi	HiQ® code
B	SH4	14	200	4386
B	SH4	50	725	4387
SS	SH4	14	200	4404
SS	SH4	50	725	4405

A 209 short flexihose and 8 cylinders

Specifications		bar	psi	HiQ® code
B	SH8	14	200	4388
B	SH8	50	725	4389
SS	SH8	14	200	4406
SS	SH8	50	725	4407

A 209 long flexihose and 2 cylinders

Specifications		bar	psi	HiQ® code
B	LH2	14	200	4390
B	LH2	50	725	4391
SS	LH2	14	200	4408
SS	LH2	50	725	4409

A 209 long flexihose and 4 cylinders

Specifications		bar	psi	HiQ® code
B	LH4	14	200	4392
B	LH4	50	725	4393
SS	LH4	14	200	4410
SS	LH4	50	725	4411

A 209 long flexihose and 8 cylinders

Specifications		bar	psi	HiQ® code
B	LH8	14	200	4394
B	LH8	50	725	4395
SS	LH8	14	200	4412
SS	LH8	50	725	4413

A 209/R residual gas outlet

Specifications		bar	psi	HiQ® code
B	R	14	200	5345
B	R	50	725	5346
SS	R	14	200	5365
SS	R	50	725	5366

A 209/R residual gas outlet, coil and 2 cylinders

Specifications			bar	psi	HiQ® code
B	R	C2	14	200	5347
B	R	C2	50	725	5348
SS	R	C2	14	200	5367
SS	R	C2	50	725	5368

A 209/R residual gas outlet, coil and 4 cylinders

Specifications			bar	psi	HiQ® code
B	R	C4	14	200	5349
B	R	C4	50	725	5350
SS	R	C4	14	200	5369
SS	R	C4	50	725	5370

A 209/R residual gas outlet, coil and 8 cylinders

Specifications			bar	psi	HiQ® code
B	R	C8	14	200	5351
B	R	C8	50	725	5352
SS	R	C8	14	200	5371
SS	R	C8	50	725	5372

A 209/R residual gas outlet, short flexihose and 2 cylinders

Specifications			bar	psi	HiQ® code
B	R	SH2	14	200	5353
B	R	SH2	50	725	5354
SS	R	SH2	14	200	5373
SS	R	SH2	50	725	5374

A 209/R residual gas outlet, short flexihose and 4 cylinders

Specifications			bar	psi	HiQ® code
B	R	SH4	14	200	5355
B	R	SH4	50	725	5356
SS	R	SH4	14	200	5375
SS	R	SH4	50	725	5376

A 209/R residual gas outlet, short flexihose and 8 cylinders

Specifications			bar	psi	HiQ® code
B	R	SH8	14	200	5357
B	R	SH8	50	725	5358
SS	R	SH8	14	200	5377
SS	R	SH8	50	725	5378

A 209/R residual gas outlet, long flexihose and 2 cylinders

Specifications			bar	psi	HiQ® code
B	R	LH2	14	200	5359
B	R	LH2	50	725	5360
SS	R	LH2	14	200	5379
SS	R	LH2	50	725	5380

A 209/R residual gas outlet, long flexihose and 4 cylinders

Specifications			bar	psi	HiQ® code
B	R	LH4	14	200	5361
B	R	LH4	50	725	5362
SS	R	LH4	14	200	5381
SS	R	LH4	50	725	5382

A 209/R residual gas outlet, long flexihose and 8 cylinders

Specifications			bar	psi	HiQ® code
B	R	LH8	14	200	5363
B	R	LH8	50	725	5364
SS	R	LH8	14	200	5383
SS	R	LH8	50	725	5384

A 209/C contact gauge

Specifications		bar	psi	HiQ® code
B	C	14	200	3170
B	C	50	725	3469
SS	C	14	200	3171
SS	C	50	725	3470

Specifications			bar	psi	HiQ® code
A 209/C contact gauge, coil and 2 cylinders					
B	C	C2	14	200	4414
B	C	C2	50	725	4415
SS	C	C2	14	200	4432
SS	C	C2	50	725	4433
A 209/C contact gauge, coil and 4 cylinders					
B	C	C4	14	200	4416
B	C	C44	50	725	4417
SS	C	C4	14	200	4434
SS	C	C4	50	725	4435
A 209/C contact gauge, coil and 8 cylinders					
B	C	C8	14	200	4418
B	C	C8	50	725	4419
SS	C	C8	14	200	4436
SS	C	C8	50	725	4437
A 209/C contact gauge, short flexihose and 2 cylinders					
B	C	SH2	14	200	4420
B	C	SH2	50	725	4421
SS	C	SH2	14	200	4438
SS	C	SH2	50	725	4439
A 209/C contact gauge, short flexihose and 4 cylinders					
B	C	SH4	14	200	4422
B	C	SH4	50	725	4423
SS	C	SH4	14	200	4440
SS	C	SH4	50	725	4441
A 209/C contact gauge, short flexihose and 8 cylinders					
B	C	SH8	14	200	4424
B	C	SH8	50	725	4425
SS	C	SH8	14	200	4442
SS	C	SH8	50	725	4443
A 209/C contact gauge, long flexihose and 2 cylinders					
B	C	LH2	14	200	4426
B	C	LH2	50	725	4427
SS	C	LH2	14	200	4444
SS	C	LH2	50	725	4445
A 209/C contact gauge, long flexihose and 4 cylinders					
B	C	LH4	14	200	4428
B	C	LH4	50	725	4429
SS	C	LH4	14	200	4446
SS	C	LH4	50	725	4447
A 209/C contact gauge, long flexihose and 8 cylinders					
B	C	LH8	14	200	4430
B	C	LH8	50	725	4431
SS	C	LH8	14	200	4448
SS	C	LH8	50	725	4449
A 209/RC residual gas outlet, contact gauge					
B	RC		14	200	5385
B	RC		50	725	5386
SS	RC		14	200	5405
SS	RC		50	725	5406
A 209/RC residual gas outlet, contact gauge, coil and 2 cylinders					
B	RC	C2	14	200	5387
B	RC	C2	50	725	5388
SS	RC	C2	14	200	5407
SS	RC	C2	50	725	5408
A 209/RC residual gas outlet, contact gauge, coil and 4 cylinders					
B	RC	C4	14	200	5389
B	RC	C4	50	725	5390
SS	RC	C4	14	200	5409
SS	RC	C4	50	725	5410
A 209/RC residual gas outlet, contact gauge, coil and 8 cylinders					
B	RC	C8	14	200	5391
B	RC	C8	50	725	5392
SS	RC	C8	14	200	5411
SS	RC	C8	50	725	5412
A 209/RC residual gas outlet, contact gauge, short flexihose and 2 cylinders					
B	RC	SH2	14	200	5393
B	RC	SH2	50	725	5394
SS	RC	SH2	14	200	5413
SS	RC	SH2	50	725	5414
A 209/RC residual gas outlet, contact gauge, short flexihose and 4 cylinders					
B	RC	SH4	14	200	5395
B	RC	SH4	50	725	5396
SS	RC	SH4	14	200	5415
SS	RC	SH4	50	725	5416
A 209/RC residual gas outlet, contact gauge, short flexihose and 8 cylinders					
B	RC	SH8	14	200	5397
B	RC	SH8	50	725	5398
SS	RC	SH8	14	200	5417
SS	RC	SH8	50	725	5418
A 209/RC residual gas outlet, contact gauge, long flexihose and 2 cylinders					
B	RC	LH2	14	200	5399
B	RC	LH2	50	725	5400
SS	RC	LH2	14	200	5419
SS	RC	LH2	50	725	5420
A 209/RC residual gas outlet, contact gauge, long flexihose and 4 cylinders					
B	RC	LH4	14	200	5401
B	RC	LH4	50	725	5402
SS	RC	LH4	14	200	5421
SS	RC	LH4	50	725	5422
A 209/RC residual gas outlet, contact gauge, long flexihose and 8 cylinders					
B	RC	LH8	14	200	5403
B	RC	LH8	50	725	5404
SS	RC	LH8	14	200	5423
SS	RC	LH8	50	725	5424