

# REGULATORER

## HD 300 200-16-8



- Høytrykksregulator - Single scenen
- Montering på 200 bar gass-sylinder - sideinngang
- Egnet for rene gasser og blandinger, ikke etsende
- Forkrommet messing

Laboratorier og analyse

### Domains of applications

#### Designed for implementation of:

Ikke-etsende rene gasser opp til N60 inkludert ALPHAGAZ™ 1 & 2, Ikke-korrosive gasser med konsentrasjon som er større enn 1 ppm

### Specifications

Maximal inlet pressure at 15°C ..... 200 bar  
Outlet Pressure ..... 1 til 16 bar  
Nominal nitrogen flow ..... 8 Nm<sup>3</sup>/h\*  
Set pressure ..... 24 bar

Tasso di fuga interno / esterno  $\leq 3 \times 10^{-7}$  mbar.l/s di elio., Driftstemperatur: -20 ° C til + 50 ° C.

\*garantert ved maksimalt utløpstrykk P2 opp til et innløpstrykk P3 = 2P2 + 1 bar.

### Materials

Body ..... Forkrommet messing  
Seat ..... Messing  
Main valve ..... Brass PCTFE belagt  
Diaphragm ..... Rustfritt stål  
Filter ..... Monel® 400  
Kobber legering mekanisme, Ø  
Pressure gauge ..... 50mm, Forsegle i PA 6.6  
Seal i EPDM, Poppet i messing,  
Relief valve ..... Body i 303 rustfritt stål  
Seal ..... EPDM

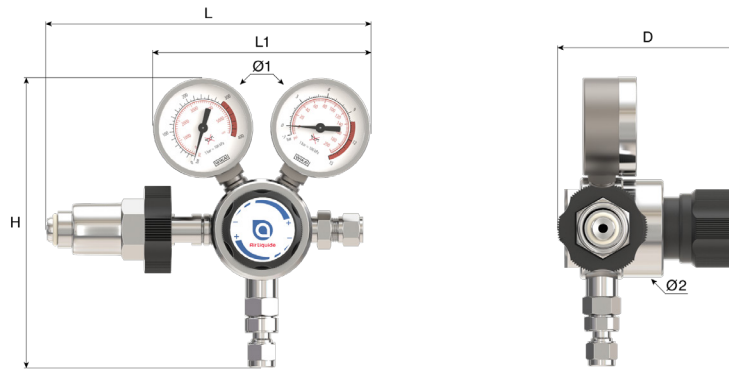
Monel® er et varemerke for Special Metals Corporation., Hastelloy® er et registrert varemerke for Haynes International, Inc.

### Safety Alert

⚠ Forsiktighet! Ved bruk av brennbare gasser, skal alle purge og overløpsventiler samles opp.

# Dimensions

- Length (L) : 165 mm
- Length (L1) : 109 mm
- Height (H) : 116 mm
- Height (H1) : 116 mm
- Depth (D) : 96 mm
- Ø1 : 50 mm
- Ø2 : 52 mm
- Net weight : 1.22 kg



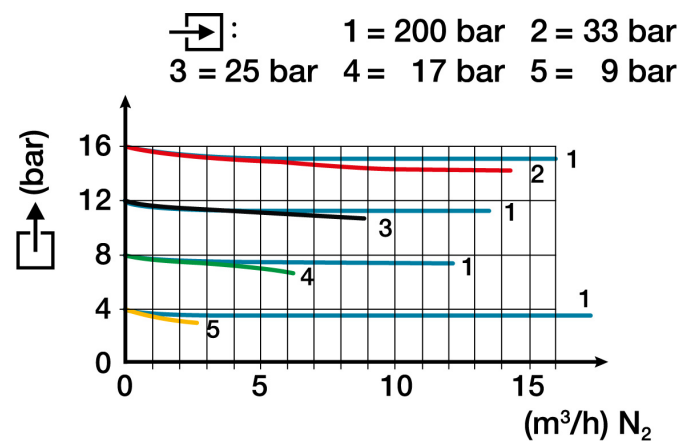
# Operating instructions

OP 150 - HD300

# Connection

- Inlet connection:** HP cylinder beslaget ifølge gass
- Outlet connection:** 2 utløpsporter G 3/8 BSPP hunn
- Relief valve connection:** Cr-messing Kompresjons montering 6mm, messing Ferrules

# Flow curve



# Products

Product Number	Short Designation	Gas	Inlet Pressure	Outlet Pressure	Flow	Inlet Fitting	Inlet Fitting Form	Outlet Fitting	Material
213325	REG HD 300 200-16-8 DIN-9	blandinger	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 9	Wrench Cr-Brass	G 3/8 BSPP kvinnelig	Cr-Brass
213269	REG HD300 200-16-8 DIN 477-1 NO.14 - KIT	blandinger	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 14	Wrench Cr-Brass	G 3/8 BSPP kvinnelig	Cr-Brass
165256	REG HD 300 200-16-8 DIN 477-14 - KIT N°2	Ikke-reaktiv blanding	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 14	Wrench Cr-Brass	KIT N ° 2	Cr-Brass
165250	REG HD 300 200-16-8 DIN 477-1 KIT N°2	H2	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 1	Wrench Cr-Brass	KIT N ° 2	Cr-Brass
165264	REG HD 300 200-16-8 DIN 477-10 - KIT N°2	N2	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 10	Wrench Cr-Brass	KIT N ° 2	Cr-Brass
165262	REG HD 300 200-16-8 DIN 477-13 - KIT N°2	Luft	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 1. 3	Wrench Cr-Brass	KIT N ° 2	Cr-Brass
165248	REG HD 300 200-16-8 DIN 477-6 - KIT N°2	CO2, O2	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 6	Wrench Cr-Brass	KIT N ° 2	Cr-Brass
193537	REG HD 300 200-16-8 DIN 477-14	Ikke-reaktiv blanding	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 14	Wrench Cr-Brass	G 3/8 BSPP kvinnelig	Cr-Brass
193534	REG HD 300 200-16-8 DIN 477-1	H2	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 1	Wrench Cr-Brass	G 3/8 BSPP kvinnelig	Cr-Brass
193541	REG HD 300 200-16-8 DIN 477-10	N2	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 10	Wrench Cr-Brass	G 3/8 BSPP kvinnelig	Cr-Brass
193540	REG HD 300 200-16-8 DIN 477-13	Luft	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 1. 3	Wrench Cr-Brass	G 3/8 BSPP kvinnelig	Cr-Brass
193533	REG HD 300 200-16-8 DIN 477-6	CO2, O2	200 bar	16 bar	8 Nm³/h	DIN 477-1 Nr. 6	Wrench Cr-Brass	G 3/8 BSPP kvinnelig	Cr-Brass

# Options

	Product Number	Long designation
	16516	CONN. G3/8 BSPP M NIP. F/PIPE Ø 4-6MM
	16521	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 1/8" OD Brass *Flat seal PTCFE
	16522	CONNECTION G 3/8" Male Compression Fitting 6 MM Br
	16523	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 1/4" OD Brass *Flat seal PTCFE
	16524	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 10mm OD Brass *Flat seal PTCFE
	16526	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 8mm OD Brass *Flat seal PTCFE
	16532	Connector SS G3/8 BSPP Male *Kit N°2 CF 1/8" and 6mm OD SS *Flat seal PTCFE

	Product Number	Long designation
	16558	Connector SS G3/8 BSPP Male *Compression fitting 6mm OD SS *Flat seal PTCFE
	16562	COMP. FITTING G3/8" 8 MM SS
	16566	Connector SS G3/8 BSPP Male *Compression fitting 1/8" OD SS *Flat seal PTCFE
	16567	Connector SS G3/8 BSPP Male *Compression fitting 10mm OD SS *Flat seal PTCFE
	16569	Connector SS G3/8 BSPP Male *Compression fitting 12mm OD SS *Flat seal PTCFE
	19207	LEAK DETECTOR "1000 BULLES"
	19286	Connection G3/8 BSPP M NIP. Ø 8-10MM BR

# Spare parts

Product Number		Long designation
213325	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
213269	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
165256	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16001	Manometer -1 + 8 + 12 bar Ø50 vertikal M10x1
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
	29226	FLAT SEAL in PTCFE (Kel-F®) 16x9,2x2
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
165250	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8

Product Number		Long designation
165250	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
165264	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
165262	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
165248	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
193537	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s

Product Number		Long designation
193534	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17130	O-RING in EPDM R9 10,5x2,7 mm EP851 for inlet connection brass - type C/B4 & E(NF)
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
193541	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
193540	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
193533	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s