

REGULATORER

HBSI 200-10-3.5



- Høytrykksregulator - Dual scenen
- Montering på 200 bar gassflasken
- Egnet for rene gasser og blandinger, ikke etsende
- Laget av rustfritt stål

Laboratorier og analyse

Domains of applications

Designed for implementation of:

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

Specifications

Maximal inlet pressure at 15°C 200 bar
Outlet Pressure..... 0,5 til 10 bar
Nominal nitrogen flow 3.5 Nm³/h*
Set pressure 16 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	316L rustfritt stål
Seat	Første etappe i PCTFE, Andre trinn i 316L rustfritt stål
Main valve.....	Første etappe i 316L rustfritt stål, Andre trinn i 316L rustfritt stål / EPDM
Diaphragm	Rustfritt stål
Bellow	Rustfritt stål
Filter	Monel® 400
Pressure gauge	Ø 50mm, Rustfritt stål, Seal i PCTFE
Relief valve	Seal i EPDM, Poppet i rustfritt stål, Body i rustfritt stål
Seal	PCTFE, EPDM

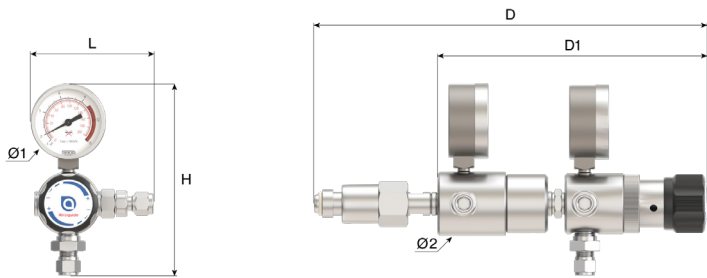
Monel® er et varemerke for Special Metals Corporation.

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
Depth (D) : 96 mm
Ø1 : 50 mm
Ø2 : 52 mm
Net weight : 1.22 kg



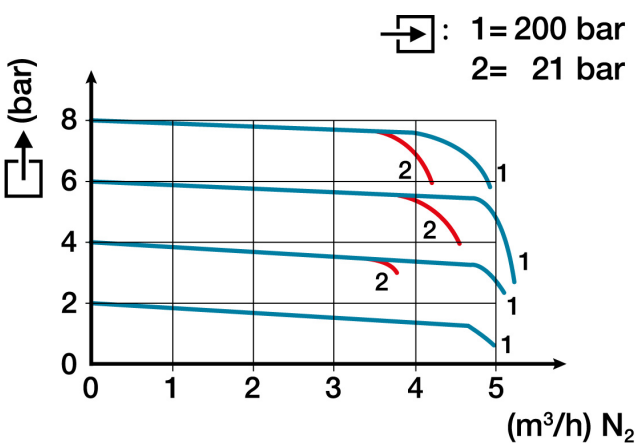
Operating instructions

OP 150 - HBSI

Connection

Inlet connection: HP cylinder beslaget ifølge gass
Outlet connection: 2 utløpsporter G 3/8 BSPP hunn
Relief valve connection: SS kompresjonskoblingen 6 mm, SS endehylser

Flow curve



Products

Product Number	Short Designation	Gas	Inlet Pressure	Outlet Pressure	Flow	Inlet Fitting	Inlet Fitting Form	Outlet Fitting	Material
123032	REG HBSI 200-10-3,5 DIN 14 - CF 6MM	kalibre-ringsgass	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 14	Wrench Stainless Steel	CF 6mm	Rustfritt stål
123033	REG HBSI 200-10-3,5 DIN 14 - CF 1/8"	reaktive mixt	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 14	Wrench Stainless Steel	CF 1/8"	Rustfritt stål
123030	REG HBSI 200-10-3,5 DIN 1/B8 - CF 1/8"	H2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 1		CF 1/8"	Rustfritt stål
123029	REG HBSI 200-10-3,5 DIN 1/B8 - CF 6MM	H2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 1		CF 6mm	Rustfritt stål
123021	REG HBSI 200-10-3,5 DIN 10 - CF 1/8"	N2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 10		CF 1/8"	Rustfritt stål
123020	REG HBSI 200-10-3,5 DIN 10 - CF 6MM	N2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 10		CF 6mm	Rustfritt stål
123036	REG HBSI 200-10-3,5 DIN 13 - CF 1/8"	Luft	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 1. 3		CF 1/8"	Rustfritt stål
123035	REG HBSI 200-10-3,5 DIN 13 - CF 6MM	Luft	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 1. 3		CF 6mm	Rustfritt stål
123039	REG HBSI 200-10-3,5 DIN 5 - CF 1/8"	CO	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 5		CF 1/8"	Rustfritt stål
123038	REG HBSI 200-10-3,5 DIN 5 - CF 6MM	CO	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 5		CF 6mm	Rustfritt stål
123024	REG HBSI 200-10-3,5 DIN 6/B5 - CF 1/8"	CO2, N2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 6		CF 1/8"	Rustfritt stål
123023	REG HBSI 200-10-3,5 DIN 6/B5 - CF 6MM	CO2, O2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 6		CF 6mm	Rustfritt stål

Product Number	Short Designation	Gas	Inlet Pressure	Outlet Pressure	Flow	Inlet Fitting	Inlet Fitting Form	Outlet Fitting	Material
192197	REG HBSI 200-10-3,5 DIN 14	reaktive mixt	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 14		G 3/8 BSPP kvinnelig	Rustfritt stål
193425	REG HBSI 200-10-3,5 DIN 1	H2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 1	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål
193423	REG HBSI 200-10-3,5 DIN 10	inerte gasser	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 10		G 3/8 BSPP kvinnelig	Rustfritt stål
193426	REG HBSI 200-10-3,5 DIN 13	Luft	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 1. 3	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål
193427	REG HBSI 200-10-3,5 DIN 5	CO	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 5	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål
193424	REG HBSI 200-10-3,5 DIN 6	CO2, O2	200 bar	10 bar	3.5 Nm³/h	DIN 477-1 Nr. 6	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål

Options

	Product Number	Long designation		Product Number	Long designation
	16516	CONN. G3/8 BSPP M NIP. F/PIPE Ø 4-6MM		16558	Connector SS G3/8 BSPP Male *Compression fitting 6mm OD SS *Flat seal PTCFE
	16521	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 1/8" OD Brass *Flat seal PTCFE		16562	COMP. FITTING G3/8" 8 MM SS
	16522	CONNECTION G 3/8" Male Compression Fitting 6 MM Br		16566	Connector SS G3/8 BSPP Male *Compression fitting 1/8" OD SS *Flat seal PTCFE
	16523	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 1/4" OD Brass *Flat seal PTCFE		16567	Connector SS G3/8 BSPP Male *Compression fitting 10mm OD SS *Flat seal PTCFE
	16524	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 10mm OD Brass *Flat seal PTCFE		16569	Connector SS G3/8 BSPP Male *Compression fitting 12mm OD SS *Flat seal PTCFE
	16526	Connector Cr-Brass G3/8 BSPP Male *Compression fitting 8mm OD Brass *Flat seal PTCFE		19207	LEAK DETECTOR "1000 BULLES"
	16532	Connector SS G3/8 BSPP Male *Kit N°2 CF 1/8" and 6mm OD SS *Flat seal PTCFE		19286	Connection G3/8 BSPP M NIP. Ø 8-10MM BR

Spare parts

Product Number		Long designation	Product Number		Long designation
123032	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel	123030	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	16015	PRESSURE GAUGE (-1) - 15 Bar Ø 50mm Lateral Entry		16019	PRESSURE GAUGE (-1) - 1,5 Bar Ø 50mm Lateral Entr
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8		17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	29226	FLAT SEAL in PTCFE (Kel-F®) 16x9,2x2		17203	FLAT SEAL in PTCFE 18x11,8x2 for inlet connection
123033	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel		29053	FLAT SEAL in PA 6.6 20x12x2
	16014	PRESSURE GAUGE (-1) - 6 Bar Ø 50mm Lateral Entry	123029	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8		16014	PRESSURE GAUGE (-1) - 6 Bar Ø 50mm Lateral Entry
	29053	FLAT SEAL in PA 6.6 20x12x2		17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	29226	FLAT SEAL in PTCFE (Kel-F®) 16x9,2x2		17203	FLAT SEAL in PTCFE 18x11,8x2 for inlet connection

Product Number		Long designation
123029	29053	FLAT SEAL in PA 6.6 20x12x2
123021	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	16014	PRESSURE GAUGE (-1) - 6 Bar Ø 50mm Lateral Entry
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
123020	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	15986	PRESSURE GAUGE (-1) - 12 Bar Ø 50mm S.Steel - Lat
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
123036	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	15986	PRESSURE GAUGE (-1) - 12 Bar Ø 50mm S.Steel - Lat
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
	29187	PACKNING 18X11,8X2 MM NYLON (Bag of 10)
123035	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	16014	PRESSURE GAUGE (-1) - 6 Bar Ø 50mm Lateral Entry
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
	29187	PACKNING 18X11,8X2 MM NYLON (Bag of 10)
123039	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	16014	PRESSURE GAUGE (-1) - 6 Bar Ø 50mm Lateral Entry
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
123038	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	15986	PRESSURE GAUGE (-1) - 12 Bar Ø 50mm S.Steel - Lat
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
123024	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	16015	PRESSURE GAUGE (-1) - 15 Bar Ø 50mm Lateral Entry
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
123023	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel

Product Number		Long designation
123023	16015	PRESSURE GAUGE (-1) - 15 Bar Ø 50mm Lateral Entry
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
192197	16004	PRESSURE GAUGE 0- 25 Bar Ø 50mm Lateral Entry M10
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
	29226	FLAT SEAL in PTFCE (Kel-F®) 16x9,2x2
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
193425	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	17203	FLAT SEAL in PTFCE 18x11,8x2 for inlet connection
	29053	FLAT SEAL in PA 6.6 20x12x2
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
193423	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
193426	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2
	29187	PACKNING 18X11,8X2 MM NYLON (Bag of 10)
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
193427	16015	PRESSURE GAUGE (-1) - 15 Bar Ø 50mm Lateral Entry
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	17207	Flat Tetning (Kel-F®) 18x7x2
	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
193424	16015	PRESSURE GAUGE (-1) - 15 Bar Ø 50mm Lateral Entry
	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel