

REGULATORER

HBD.S 200-4-2



- Høytrykksregulator - Dual scenen
- Montering på 200 bar gassylinder eller panel
- Egnet for rene gasser og blandinger, svakt etsende
- Laget av rustfritt stål

Laboratorier og analyse

Domains of applications

Designed for implementation of:

Litt korrosive gasser, Rene gasser opp til N60 inkludert ALPHA-GAZ™ 1 & 2, reaktive blandinger

Specifications

Maximal inlet pressure at 15°C 200 bar
Outlet Pressure 0,20 til 4 bar
Nominal nitrogen flow 2 Nm³/h*
Set pressure 5 bar

Intern / ekstern lekkasjerate ≤ 2x10⁻⁸ mbar.l / s helium., Driftstemperatur: -40 ° C til + 74 ° C.

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

Materials

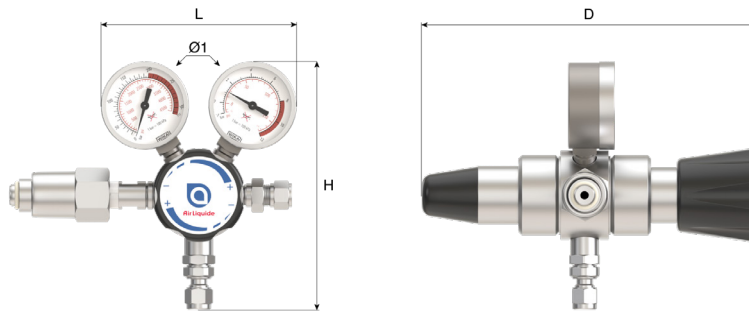
Body 316 rustfritt stål
Seat PFA
Main valve 316L rustfritt stål
Diaphragm 316L rustfritt stål
Filter 316L rustfritt stål
Relief valve 316L rustfritt stål
Seal PCTFE

Safety Alert

⚠ Forsiktighet! I tilfellet med anvendelse av giftige og korrosive gasser, følger rensefremgangsmåten for utstyret.

Dimensions

Length (L) : 120 mm
Height (H) : 152 mm
Depth (D) : 215 mm
Ø1 : 50 mm
Ø2 : 54 mm
Net weight : 1.8 kg



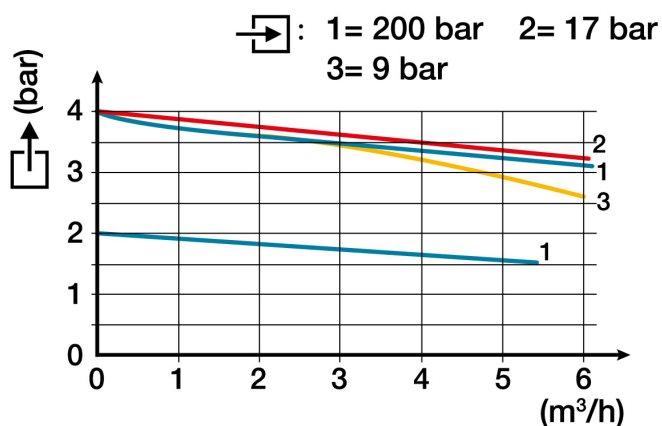
Operating instructions

OP 150 - HBD.S

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
122963	REG HBD.S 200-4-2 DIN 14 - CF 6MM	reaktive mixt	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 14		CF 6mm	Rustfritt stål
212204	REG HBD.S 200-4-2 DIN 1 - CF 1/8"	H2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 1	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål
212205	REG HBD.S 200-4-2 DIN 1 - CF 6MM	H2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 1	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål
122964	REG HBD.S 200-4-2 DIN 14 - CF 1/8"	reaktive mixt	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 14		CF 1/8"	Rustfritt stål
122961	REG HBD.S 200-4-2 DIN 1 - CF 1/8"	H2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 1	Wrench Stainless Steel	CF 1/8"	Rustfritt stål
122960	REG HBD.S 200-4-2 DIN 1 - CF 6MM	H2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 1	Wrench Stainless Steel	CF 6mm	Rustfritt stål
122952	REG HBD.S 200-4-2 DIN 10 - CF 1/8"	N2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 10	Wrench Stainless Steel	CF 1/8"	Rustfritt stål
122951	REG HBD.S 200-4-2 DIN 10 - CF 6MM	N2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 10	Wrench Stainless Steel	CF 6mm	Rustfritt stål
122967	REG HBD.S 200-4-2 DIN 8 - CF 1/8"	Korr. gasser	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 8	Wrench Stainless Steel	CF 1/8"	Rustfritt stål
122966	REG HBD.S 200-4-2 DIN 8 - CF 6MM	Korr. gasser	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 8	Wrench Stainless Steel	CF 6mm	Rustfritt stål

Product Number	Short Designation	Gas	Inlet Pressure	Outlet Pressure	Flow	Inlet Fitting	Inlet Fitting Form	Outlet Fitting	Material
122959	REG HBD.S 200-4-2 DIN 1	H2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 1	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål
191923	REG HBD.S 200-4-2 DIN 10	N2	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 10	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål
191917	REG HBD.S 200-4-2 DIN 14	reaktive mixt	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 14		G 3/8 BSPP kvinnelig	Rustfritt stål
191922	REG HBD.S 200-4-2 DIN 8	Korr. gasser	200 bar	4 bar	2 Nm³/h	DIN 477-1 Nr. 8	Wrench Stainless Steel	G 3/8 BSPP kvinnelig	Rustfritt stål

Options

	Product Number	Long designation
	16532	Connector SS G3/8 BSPP Male *Kit N°2 CF 1/8" and 6mm OD SS *Flat seal PTCFE
	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

	Product Number	Long designation
	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"

Spare parts

Product Number		Long designation
122963	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 PTCFE 14,5x10x2 for outlet port G3/8
	29226	FLAT SEAL in PTCFE (Kel-F®) 16x9,2x2
212204	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 PTCFE 14,5x10x2 for outlet port G3/8
	17203	FLAT SEAL in PTCFE 18x11,8x2 for inlet connection
212205	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 PTCFE 14,5x10x2 for outlet port G3/8
	17203	FLAT SEAL in PTCFE 18x11,8x2 for inlet connection
122964	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8
	29053	FLAT SEAL in PA 6.6 20x12x2

Product Number		Long designation
122964	29226	FLAT SEAL in PTCFE (Kel-F®) 16x9,2x2
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
122961	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 PTCFE 14,5x10x2 for outlet port G3/8
	17203	FLAT SEAL in PTCFE 18x11,8x2 for inlet connection
122960	29053	FLAT SEAL in PA 6.6 20x12x2
	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 PTCFE 14,5x10x2 for outlet port G3/8
	17203	FLAT SEAL in PTCFE 18x11,8x2 for inlet connection
122952	29053	FLAT SEAL in PA 6.6 20x12x2
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
	17141	FLAT SEAL in PTCFE 14,5x10x2 for outlet port G3/8

Product Number		Long designation
122951	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
122967	17141	FLAT SEAL in PTFCE 14,5x10x2 for outlet port G3/8
	17207	Flat Tetning (Kel-F®) 18x7x2
	29053	FLAT SEAL in PA 6.6 20x12x2
	167800	KIT of Seals flat PA 6.6 for manometer M10x1 (2 s
122966	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
	17207	Flat Tetning (Kel-F®) 18x7x2
	29053	FLAT SEAL in PA 6.6 20x12x2
122959	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
	17203	FLAT SEAL in PTFCE 18x11,8x2 for inlet connection
191923	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
191917	15969	PRESSURE GAUGE 0- 200/315 Bar Ø 50mm Vertical Entry M10x1 Brass-Cr - Body S.Steel
	16000	PRESSURE GAUGE (-1) - 1,5 Bar Ø 50mm Lateral Entr
	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
191922	15979	Pressure gauge 0-200+315 Bar Ø 50mm vertical M10x1 Stainless steel
	16016	Pressure gauge 0+16+25 Bar Ø 50mm Vertical M10x1 Stainless steel
	17207	Flat Tetning (Kel-F®) 18x7x2
	29053	FLAT SEAL in PA 6.6 20x12x2