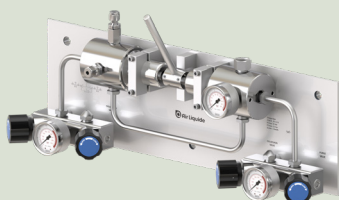


# CHANGE-OVERS

## CLSA2 200-10-50



- Kontinuerlig gassleveringssystem til ledningsnettet
- Tilkobling av 2x1 eller 2x2 200 bar sylindere eller bunter
- 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 N50 inkludert ALPHAGAZ™ 1,  
Ikke-korrosive gasser med konsentrasjon som er større enn 10 ppm

### Specifications

Maximal inlet pressure at 15°C ..... 200 bar  
 Outlet Pressure ..... 10 bar  
 Preset outlet pressure/service first stage ..... 10 / 7 bar  
 Nominal nitrogen flow ..... 50 Nm<sup>3</sup>/h\*  
 Set pressure ..... 16 bar

Trykkfall på bryter: 3 bar., Tasso di fuga interno / esterno ≤ 3x10<sup>-7</sup> 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

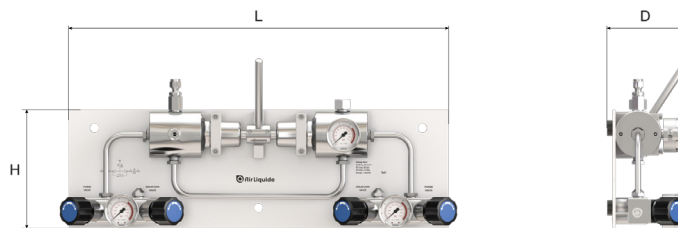
Panel ..... Utvidelse panel:  
 Frame ..... Rustfritt stål  
 Legeme i forniklet messing, Membran i 304 rustfritt stål, PCTFE sete, Rustfritt stål / FPM sikkerhetsventil, Poppet i messing  
 Regulator ..... hetsventil, Poppet i messing  
 Brass sete, Poppet i messing  
 PA 6.6 belagt, Legeme i forniklet messing  
 Block valves ..... messing  
 Pressure gauge ..... Kobber legering mekanisme  
 Relief valve ..... Rustfritt stål 316L / EPDM

### Safety Alert

⚠ Forsiktighet! Ved bruk av brennbare gasser, har utstyr for å være jordet.

# Dimensions

Length (L) : 530 mm  
 Height (H) : 170 mm  
 Depth (D) : 112 mm  
 Net weight : 12.5 kg



# Operating instructions

OP 360

# Connection

**Inlet connection:** 4 innløpsporter + 4 andre som Options o 16 x 1,336 SI hunn




**Outlet connection:** 1 utløpsport + 2 porter for å samle opp rene G 3/8 BSPP hunn



**Relief valve connection:** SS kompresjonskoblingen 6 mm, SS endehylser

# Products

Product Number	Short Designation	Gas	Inlet Pressure	Outlet Pressure	Flow	Inlet Fitting	Outlet Fitting	Material
162881	CLSA2 200-10-50 O2-N2O	O2	200 bar	10 bar	50 Nm³/h	Ø 16x1.336 SI hunn	G 3/8 BSPP kvinnelig	Messing
162908	CLSA2 200-10-50 NG-AIR-CO2-Ex He	inerte gasser	200 bar	10 bar	50 Nm³/h	Ø 16x1.336 SI hunn	G 3/8 BSPP kvinnelig	Messing
162919	CLSA2 200-10-50 He	He	200 bar	10 bar	50 Nm³/h	Ø 16x1.336 SI hunn	G 3/8 BSPP kvinnelig	Messing
162915	CLSA2 200-10-50 H2	H2	200 bar	10 bar	50 Nm³/h	Ø 16x1.336 SI hunn	G 3/8 BSPP kvinnelig	Messing

# Options

	Product Number	Long designation
	15411	EXTENSION RAMP 1-3 CYLINDERS CLSA2
	16398	FITTING NON RETURN VALVE M20x1,5 BR EPDM
	16474	CONNECTOR SS Ø16x1,336 SI M - CF 10MM SS
	19329	Blind Plug for orifice Ø16x1,336 SI Brass
	152663	KIT Multilingual stickers Change procedure for cyl
	153687	HAZARD Multilingual Panel O2-N2O

	Product Number	Long designation
	153689	HAZARD PANEL NEUTRAL GASES
	155103	HAZARD PANEL FLAMABLE GASES
	155752	KIT CALIBRETED ORIFICE Ø 2,3 PA 6.6 - H2 CLSA 10 Bar
	155755	KIT CALIBRETED ORIFICE Ø 2,3 PA 6.6 - He CLSA 10 B
	155761	KIT CALIBRETED ORIFICE Ø 3,8 PA 6.6 - N2 CLSA 10 B

# Spare parts

Product Number		Long designation
162881	17129	O-RING in EPDM R6 7,2x1,9 mm EP851 (set of 10)
	17141	FLAT SEAL in PTFE 14,5x10x2 for outlet port G3/8
	18551	Pressure Gauge 0-25 Bar Ø 50mm Back entry G1/4 for ECOGAZ Brass - Body S.Steel
	18883	RELIEF VALVE ECOGAZ Calibrated 25 Bar for Manifold
	19329	Blind Plug for orifice Ø16x1,336 SI Brass
	19403	BLOC VALVE PURGE for Change Overs and Panels ECOGA
	175882	KIT SPARE REGULATOR left for Man ECOGAZ 200-15/11-
	175883	KIT SPARE REGULATOR right for Man ECOGAZ 200-15/11
162908	17129	O-RING in EPDM R6 7,2x1,9 mm EP851 (set of 10)
	17141	FLAT SEAL in PTFE 14,5x10x2 for outlet port G3/8
	18551	Pressure Gauge 0-25 Bar Ø 50mm Back entry G1/4 for ECOGAZ Brass - Body S.Steel
	18884	RELIEF VALVE ECOGAZ Calibrated 50 Bar for Manifold
	19329	Blind Plug for orifice Ø16x1,336 SI Brass
	19403	BLOC VALVE PURGE for Change Overs and Panels ECOGA
	175884	KIT SPARE REGULATOR left for Man ECOGAZ 200-30/21-
	175885	KIT SPARE REGULATOR right for Man ECOGAZ 200-30/21
162919	17129	O-RING in EPDM R6 7,2x1,9 mm EP851 (set of 10)
	17141	FLAT SEAL in PTFE 14,5x10x2 for outlet port G3/8
	18551	Pressure Gauge 0-25 Bar Ø 50mm Back entry G1/4 for ECOGAZ Brass - Body S.Steel
	18884	RELIEF VALVE ECOGAZ Calibrated 50 Bar for Manifold
	19329	Blind Plug for orifice Ø16x1,336 SI Brass
	19403	BLOC VALVE PURGE for Change Overs and Panels ECOGA
	175884	KIT SPARE REGULATOR left for Man ECOGAZ 200-30/21-
	175885	KIT SPARE REGULATOR right for Man ECOGAZ 200-30/21
162915	17129	O-RING in EPDM R6 7,2x1,9 mm EP851 (set of 10)
	17141	FLAT SEAL in PTFE 14,5x10x2 for outlet port G3/8
	18551	Pressure Gauge 0-25 Bar Ø 50mm Back entry G1/4 for ECOGAZ Brass - Body S.Steel
	18884	RELIEF VALVE ECOGAZ Calibrated 50 Bar for Manifold
	19329	Blind Plug for orifice Ø16x1,336 SI Brass
	19403	BLOC VALVE PURGE for Change Overs and Panels ECOGA

Product Number		Long designation
162915	175884	KIT SPARE REGULATOR left for Man ECOGAZ 200-30/21-
	175885	KIT SPARE REGULATOR right for Man ECOGAZ 200-30/21