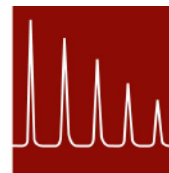


AGC-AVR ATM Pressure Vent Gas Recovery System

AGC
INSTRUMENTS
Gas Chromatography since 1965



Gas Recovery System

The AGC-AVR system is designed to recycle analyzer vent gases at atmospheric pressure thereby addressing environmental pollution by diverting these gases to a waste gas treatment facility instead of releasing them directly into the atmosphere. In case of a system failure, vent gases can be safely released to the atmosphere through a local vent header, ensuring continuous safe operation of the industrial equipment. With direct on-site installation, modular design, minimum maintenance (mainly air pump), and stable, simple operation, it is suitable for various flow rates and recovery pressures.

Multiple pump types (N_2 injection, IA injection, electric diaphragm with explosion-proof and anti-corrosion options), installation types (disk, chassis, with or without heat tracing), and selectable pressure and flow parameters allow for tailored solutions. The system requires N_2 at 0.4-1MPa ($2m^3/time$), oil and moisture-free operation with a dew point below $-50^\circ C$, and an electrical supply of 220VAC/50Hz, 1500VA.

Characteristics

- Direct on-site installation
- Minimum Maintenance
- Safe & Stable exhaust gas recovery system
- Modular design
- Suitable for various flow rates & recovery pressures
- Stable system and simple operation



Features

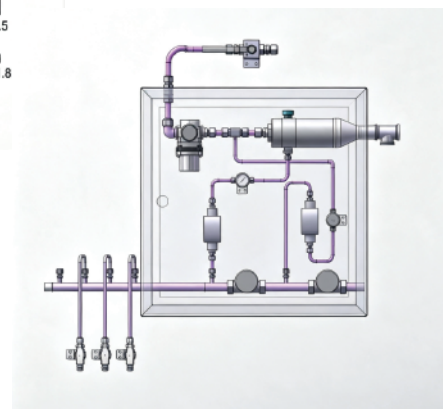
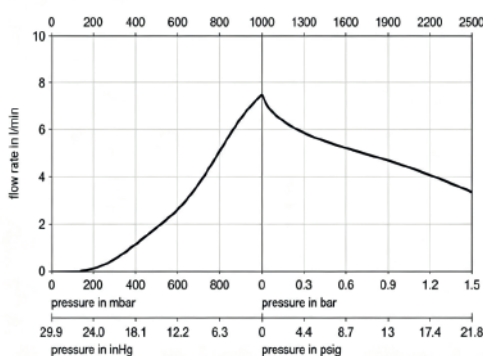
- N_2 Injection Pump
- IA Injection Pump
- Electric Diaphragm Pump

Customised Options

- Pressure
- Instrument Discharge Flow
- Type of Drive Pump
- Installation type

Utilities

- N_2 : 0.4-1MPa @ $2m^3$
- Oil and Moisture Free, Dew Point $< -50^\circ C$
- Voltage: 220VAC/50Hz, 1500VA



Order Parameters

	Model					
	AVR					
Maximum Vent Flow L/h	200 L/h	A				
	400 L/h	B				
	600 L/h	C				
	800 L/h	D				
Return Point Pressure Kpa(g)	0-50		L			
	0-100		M			
	>100		H			
Type of Recovery Pump	N ₂ Injection Pump			N		L & M Options Available
	IA Injection Pump			A		L & M Options Available Fuel Gas Not Available
	Electric Diaphragm Pump (Explosion Proof)			E1		Optional
	Electric Diaphragm Pump (Non-Explosion Proof)			E2		
	Electric Diaphragm Pump (Explosion Proof & Anti-Corrosion)			E3		
	Electric Diaphragm Pump (Non-Explosion Proof & Anti-Corrosion)			E4		
Installation Type	Disk Installation				P	
	Chassis Installation				C	
	Chassis Installation (with heat tracing insulation)				W	

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