

Solution
Scalable
Modular
Integrated
Safe
Cost-effective

Application

Designed for High-Pressure gas uses, the Alcrysafe® Integrated M5 Manifold can be employed in conjunction with the whole range of gases and liquids compatible with the component materials.

However some specific on-site installation factors can limit possible uses of the modular system.

function

Modular manifold for High Pressure industrial gas regulation, the M5 modular system incorporates all the primary and secondary functions indispensable for safe gas pressure regulation.

Technology

Designed under our *Comprehensive Safety* norm guarantees performance and comprehensive safety of the installation (refer to *Alcrysafe®* range technical notice).

Technical data

Working pressure	Pressure control range		
	370 bars maxi 5360 psi maxi	0 - 200 bars	0 - 2900 psi
Temperature range	-20°C /+70°C		-4°F / +158°F
Inlet port	1/4" F BSPP	3/8" F BSPP	1/2" F BSPP
Outlet port	1/4" F BSPP	3/8" F BSPP	1/2" F BSPP
Primary functions	Please refer to Table overleaf		
Secondary functions	Please refer to Table overleaf		
DN (Nominal Diameter)	12		
Pressure gauge port	2x 1/4" BSPP pre-tapped		
Mounting	All mounting positions possible		
	Allows integration with Alcrysafe® modular systems		
Weight	13 kg		



M5 modular system Size1/HP/Stainless steel

alcrysafe®

The Alcrysafe® Pressurised Equipment range has been developed in our in-house R&D team. Technical expertise and innovation combined to provide optimal performance and security standards for your high pressure industrial gas applications.

Brackets	Two tapped M6x8 on the underside face		
	Four Ø6 ports for bracket mounting (brackets optional)		
Body material*	Stainless steel 1.4409		
Seat materials*	PAI Torlon	PCTFE	Peek
Gasket materials*	Nitrile	FKM	EPDM
Cleaning	Inert Gas procedure MO-PROD0103		
Documentation	2.2 Certificate of Conformity (COC) according to EN 10204		
	General operating instructions		
Finishing's on demand	Drilled pressure gauge port		
	Automatic decompression		
	Mounting brackets		
Options	Flanges : Welded BW or Screwed BSPP (please refer to <i>Range of connectors</i> technical data sheet n°9111)		
	Inter-module Liaison kit (please refer to <i>Range of connectors</i> data sheet n°9111)		

* others by request

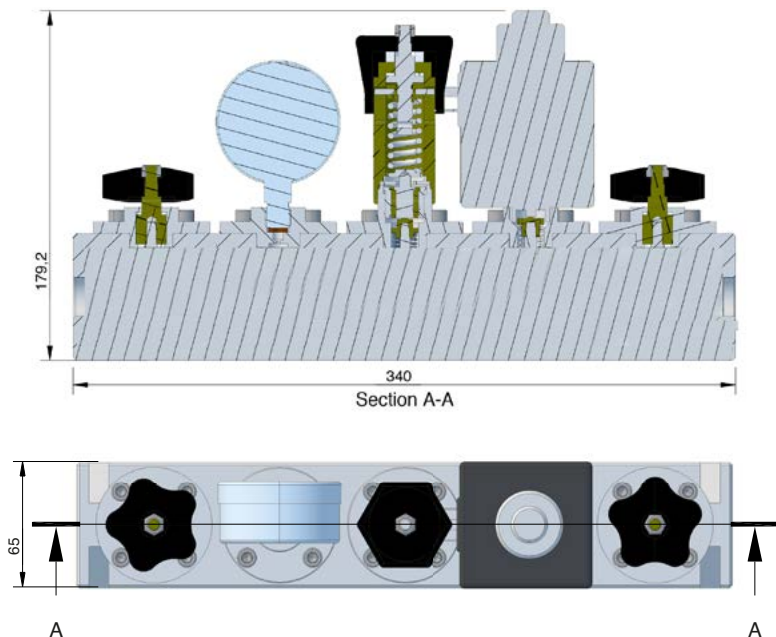
M5 modular system
Size1/HP/Stainless steel

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Data
Sheet
n°6211

v.1/10-2014

Drawings



Principal and secondary functions configurations

	Primary functions	Secondary functions
Shut-off	Manual valve	Purging Pressure measurement Free pre-tapped port Pressure test
	Solenoid valve	
	Pneumatic valve	
Filtration	Filter	
Pressure regulation	Dome-loaded regulator	
	Spring-loaded regulator	
	Proportional regulator	
Non-return	Non-return valve	
Safety	Safety valve	

fast&safe maintenance

Maintenance cartridges
Safety, speed and cost-effective.
On-site maintenance only takes a few minutes !



Compatible gases*

- Inert gases
- Toxic and Corrosive gases

* Please refer to one of our engineers

Unlimited scalability of apparatus configuration using our Fast&safe maintenance cartridges

Primary and secondary functions integrated in **one compact unit**

Risk control for implementation of industrial gas uses thanks to **Comprehensive Safety design**

Order references

M5 Modular System - standard configuration
(alternative configurations on demand)

AMM1HS5001

Fast&safe cartridges

Please refer to one of our engineers