



AFS
Alternative Fuel
Systems

seitzvalve

HyValve

The Seitz HyValve range of products have been developed for the dispensing of hydrogen for pressure ranges up to 1000 bar and is designed according highest quality and safety standards.

Due to the compact design of the valves and by avoiding airline installation as for pneumatic systems, you can save space, investment and maintenance costs of your refueling system application.

Combined with optimal flow rate and fast filling, our HyValve range will convince you by its high availability due to the broad temperature range, high repeatability, utmost safety and exceptional reliability.



HyValve 1000, Type 3106



HyValve 1000, Type 3105

Range	HyValve 1000	HyValve 500
Media	Hydrogen	
Function	2/2-way solenoid valve, NC	
Pressure range	1 ... 100 MPa 10 ... 1000 bar 145 ... 14500 psi	1 ... 50 MPa 10 ... 500 bar 145 ... 7250 psi
Test pressure	150 MPa 1500 bar 21755 psi	75 MPa 750 bar 10878 psi
Burst pressure	> 300 MPa > 3000 bar acc. DIN EN 12516-3 > 43511 psi	> 150 MPa > 1500 bar acc. DIN EN 12516-3 > 21755 psi
Housing	Stainless steel	
Mounting	Any position	
Ambient temperature	-50°C ... +85°C	-40°C ... +85°C
Media temperature	-50°C ... +85°C	-40°C ... +85°C
Rated voltage	24V AC/DC 230V AC	
IP-Code	IP 65/67	
EC-type-examination	2F86: EPS 18 ATEX 1098 X IECEX EPS 18.0055 X Nepsi GYJ 18.1429 X Ⓢ II 2G Ex mb IIC 150°C (T3) Gb	





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HyValve 500, Type 3108 A

Order information

HyValve 1000

Type	Orifice Size	Port Connections	Flow Rate
3106	DN 6 mm	9/16"-18 UNF (C/T-connection) (Medium Pressure)	Kv = 0.663 m ³ /h Cv = 0.774 US-gal/min
3105	DN 0.5 mm	7/16"-20 UNF (C/T-connection) (Medium Pressure)	Kv = 0.009 m ³ /h Cv = 0.010 US-gal/min

HyValve 500

Type	Orifice Size	Port Connections	Flow Rate
3108 A	DN 8 mm	13/16" – 16UN (C/T-connection) (Medium Pressure)	Cv = 1.3 US-gal/min
3108 G	DN 8 mm	G 3/8"	Kv = 1.15 m ³ /h

Solenoid coil

Type	Voltage	Temperature Range	Rated Power
2F86	24V AC/DC	-50°C ... +85°C	16 W
	230V AC	-50°C ... +85°C	16 W

For detailed dimensional drawing or 3-D model, please contact:

Eugen Seitz AG · Spitalstrasse 204 · 8623 Wetzikon · Switzerland · ☎ +41 44 931 80 80 · ✉ h2info@seitz.ch
Seitz Valve Technology (Shanghai) Co., Ltd. · Room 910, Building No 67 · Hong Cao Rd 421
 200233 Shanghai · People's Republic of China · ☎ +86 21 3363 3880 · ✉ information@seitz.cn

seitz.ch