



NOVA SWISS

NOVA SWISS is a proud member of



UP TO 1'000 BAR – 14'500 PSI
SOLENOID VALVES NC & NO



Piloted & Direct Solenoid Valves H₂



SP SERIES

The ultra-compact and extremely light Nova Swiss piloted solenoid (SP) valve is designed for hydrogen gas applications for an operating pressure of up to 1'000 bar.

Features

- From 10 bar up to MAWP 1'000 bar (14'500) psi
- Stainless steel construction
- 2-way
- Uni-directional flow
- Medium/Ambient temperature -40°C ... +80°C (-40°F ... 176°F)
- Flow coefficient (Kv): 0.6 m³/h (6M connection)
- Switching time < 0.5 sec.
- ATEX ⚠ II 2 G Ex h IIC T3 Gb
- Test / Burst pressure >1'500 / 2'400 bar (21'750 / 34'800 psi)
- Differential pressure min. 10 bar (14.5 psi)
- Normally closed & normally open
- Light weight < 1.5 kg (6M connection)
- ATEX coil ⚠ II 2 G Ex mb IIC T3/T4/T5
- Life span 10 years or 100'000 cycles
- Power supply 24VDC (or PWM, other options upon request)
- Power consumption 14W
- IP code 65



SD SERIES

Nova Swiss extremely ultra-compact and low weight direct solenoid valves are suitable for complex systems with best-in-class customer value with low electrical power consumption.

Features

- MAWP up to 1'000 bar (14'500) psi
- Stainless steel construction
- 2-way
- Bi-directional flow
- Medium/Ambient temperature -40°C ... +80°C (-40°F ... 176°F)
- Flow coefficient (Kv) 0.006 m³/h (0.007 Cv)
- Switching time < 0.05 sec.
- ATEX ⚠ II 2 G Ex h IIC T3 Gb
- Test / Burst pressure >1'500 / 2'400 bar (21'750 / 34'800 psi)
- Normally closed & normally open
- Light weight < 0.8 kg
- ATEX coil ⚠ II 2 G Ex mb IIC T3/T4/T5
- Life span 10 years or 100'000 cycles
- Power supply 24VDC (or PWM, other options upon request)
- Power consumption 14W
- IP code 65

2-Way Straight (normally closed)

MPCT	
Conn.	Nova Ref.
3/8"	SP1146MNC-4
9/16"	SP1149MNC-4

2-Way Straight (normally open)

MPCT	
Conn.	Nova Ref.
3/8"	SP1146MNO-4
9/16"	SP1149MNO-4

2-Way Straight (normally closed)

MPCT	
Conn.	Nova Ref.
1/4"	SD1144MNC-4

2-Way Straight (normally open)

MPCT	
Conn.	Nova Ref.
1/4"	SD1144MNO-4

2-Way Angle (normally closed)

MPCT	
Conn.	Nova Ref.
3/8"	SP2146MNC-4
9/16"	SP2149MNC-4

2-Way Angle (normally open)

MPCT	
Conn.	Nova Ref.
3/8"	SP2146MNO-4
9/16"	SP2149MNO-4

2-Way Angle (normally closed)

MPCT	
Conn.	Nova Ref.
1/4"	SD2144MNC-4

2-Way Angle (normally open)

MPCT	
Conn.	Nova Ref.
1/4"	SD2144MNO-4

Availability: 4M / 6M is the basis for 9M via adapter