

SOLENOID VALVES WITH ATEX COILS

CE | UK
CA | O₂ oxygene applications



DESCRIPTION

Many standard types of SVS-Automation can be equipped with ATEX coils for the use in potentially explosive environments. For more technical data, please refer to the page of the standard version. ATEX coils for the armature system 13 are from the company Nass Magnet and are limited to a max pressure of 12 bar. This is only applicable to the coil type EXFA.

Please note that the protection relates to the environment of the valve and not to potentially explosive process media inside the valve.

CONSTRUCTION

| | |
|------------------|--------------------------------|
| Body material | see standard version |
| Internal parts | see standard version |
| Sealing material | see standard version |
| Voltages | 24 V DC, 24 V 50Hz, 230 V 50Hz |
| Connections | see standard version |

ZONE 2 AND 22 (DIRECTIVE 99/92/CE)

Coil C1DA can be used for Zone 2 and 22 (Directive 99/92/CE) when combined with an appropriate connector.

ON REQUEST

Valve for oxygene applications
Non-standard coil voltages



| Coil power consumption at 20°C | | | | | | |
|--------------------------------|----------------------|---------------------|------------|--|---|------------------------------------|
| coil type | inrush power 50Hz VA | rated power 50Hz VA | power DC W | ATEX class | | Note |
| | | | | 50Hz | DC | |
| C1DA | 9,0 | 5,0 | 3,0 | GAS: II 3G Ex ec IIC T5 Gc DUST: II 3D Ex tc IIIC T100°C Dc | | appropriate connector is mandatory |
| CWMA | 3,2 | 3,2 | 3,8 | GAS: II 2G Ex dmb IIC T4 Gb DUST: II 2D Ex tb IIC T130°C Db | GAS: II 2G Ex dmb IIC T5 Gb DUST: II 2D Ex tb IIC T95°C Db | coil with cable terminal box |
| CVFA | | | 3,8 | GAS: II 2G Ex mb IIC T4 Gc DUST: II 2D Ex tb IIIC T130°C Db | GAS: II 2G Ex mb IIC T5 Gc DUST: II 2D Ex tb IIIC T95°C Db | cable length 5 m |
| EXFA | 9,0 | 9,0 | 10,3 | GAS: II 2G Ex mb IIC T4 Gc DUST: II 2D Ex tb IIIC T130°C Db | | cable length 3 m |

| Sealing material | Code | Fluid temperature | Applicable for |
|------------------|------|-------------------|--|
| NBR (Perbunan) | B | -10°C to 80°C | neutral gases and liquids |
| EPDM | E | -10°C to 130°C | hot water, steam, not for oil and grease |
| FPM | V | -10°C to 130°C | oil, petrol, oxygen |

| Type 15A, normally closed | | | | | | | | |
|---------------------------|-------------|-------|--------------------------------------|------|----------------|------|------------------|--|
| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value in m³/h | |
| | | | coil C1DA | | coil CWMA/CVFA | | | |
| | | | 50Hz | DC | 50Hz | DC | | |
| 15A-1.12-A... | 1,2 | G1/8 | 30,0 | 30,0 | 30,0 | 30,0 | 0,045 | |
| 15A-1.15-A... | 1,5 | G1/8 | 25,0 | 10,0 | 18,0 | 24,0 | 0,082 | |
| 15A-1.20-A... | 2,0 | G1/8 | 12,0 | 1,5 | 6,0 | 5,5 | 0,133 | |
| 15A-1.25-A... | 2,5 | G1/8 | 6,0 | 0,8 | 5,0 | 2,5 | 0,195 | |
| 15A-1.30-A... | 3,0 | G1/8 | 4,0 | - | 3,0 | 1,4 | 0,250 | |
| 15A-1.40-A... | 4,0 | G1/8 | 1,0 | - | 1,0 | - | 0,340 | |



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Type 15B, normally open

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value in m ³ /h |
|---------------------|-------------------|-------|--------------------------------------|-----|----------------|-----|----------------------------------|
| | | | coil C1DA | | coil CWMA/CVFA | | |
| | | | 50Hz | DC | 50Hz | DC | |
| 15B-1.12BZ-A... | 1,2 | G1/8 | 5,5 | 5,5 | 5,5 | 5,5 | 0,045 |
| 15B-1.15BZ-A... | 1,5 | G1/8 | 3,0 | 3,0 | 3,0 | 3,0 | 0,082 |
| 15B-1.20BZ-A... | 2,0 | G1/8 | 2,5 | 2,5 | 2,5 | 2,5 | 0,133 |
| 15B-1.25BZ-A... | 2,5 | G1/8 | 2,0 | 2,0 | 2,0 | 2,0 | 0,195 |
| 15B-1.30DZ-A... | 3,0 | G1/8 | 2,5 | - | 2,0 | - | 0,250 |
| 15B-1.35DZ-A... | 3,5 | G1/8 | 2,0 | - | - | - | 0,295 |
| 15B-1.40DZ-A... | 4,0 | G1/8 | 1,7 | - | - | - | 0,340 |
| 15B-1.12CZ-A | 1,2 | G1/8 | - | - | 8,5 | 8,5 | 0,045 |
| 15B-1.15CZ-A | 1,5 | G1/8 | - | - | 6,0 | 6,0 | 0,082 |
| 15B-1.20CZ-A | 2,0 | G1/8 | - | - | 3,0 | 3,0 | 0,133 |

Type 20A, normally closed

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | kv-value in m ³ /h |
|---|-------------------|-------|--------------------------------------|----|----------------------------------|
| | | | coil EXFA | | |
| | | | 50Hz | DC | |
| More technical data for coil type EXFA is available on request. | | | | | |

Type 20B, normally open

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | kv-value in m ³ /h |
|---|-------------------|-------|--------------------------------------|----|----------------------------------|
| | | | coil EXFA | | |
| | | | 50Hz | DC | |
| More technical data for coil type EXFA is available on request. | | | | | |

| Type 32A, normally closed | | | | | | | |
|---------------------------|-------------------|-------|--------------------------------------|------|----------------|------|----------------------------------|
| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value in m ³ /h |
| | | | coil C1DA | | coil CWMA/CVFA | | |
| | | | 50Hz | DC | 50Hz | DC | |
| 32A-1.12-A... | 1,2 | G1/8 | 30,0 | 30,0 | 30,0 | 30,0 | 0,045 |
| 32A-1.15-A... | 1,5 | G1/8 | 25,0 | 10,0 | 18,0 | 24,0 | 0,082 |
| 32A-1.20-A... | 2,0 | G1/8 | 12,0 | 1,5 | 6,0 | 5,5 | 0,133 |
| 32A-1.25-A... | 2,5 | G1/8 | 6,0 | 0,8 | 5,0 | 2,5 | 0,195 |
| 32A-1.30-A... | 3,0 | G1/8 | 4,0 | - | 3,0 | 1,4 | 0,250 |
| 32A-1.40-A... | 4,0 | G1/8 | 1,0 | - | 1,0 | - | 0,340 |

| Type 32B, normally open | | | | | | | |
|-------------------------|-------------------|-------|--------------------------------------|-----|----------------|-----|----------------------------------|
| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value in m ³ /h |
| | | | coil C1DA | | coil CWMA/CVFA | | |
| | | | 50Hz | DC | 50Hz | DC | |
| 32B-1.12BZ-A... | 1,2 | G1/8 | 5,5 | 5,5 | 5,5 | 5,5 | 0,045 |
| 32B-1.15BZ-A... | 1,5 | G1/8 | 3,0 | 3,0 | 3,0 | 3,0 | 0,082 |
| 32B-1.20BZ-A... | 2,0 | G1/8 | 2,5 | 2,5 | 2,5 | 2,5 | 0,133 |
| 32B-1.25BZ-A... | 2,5 | G1/8 | 2,0 | 2,0 | 2,0 | 2,0 | 0,195 |
| 32B-1.30DZ-A... | 3,0 | G1/8 | 2,5 | - | 2,0 | - | 0,250 |
| 32B-1.35DZ-A... | 3,5 | G1/8 | 2,0 | - | - | - | 0,295 |
| 32B-1.40DZ-A... | 4,0 | G1/8 | 1,7 | - | - | - | 0,340 |
| 32B-1.12CZ-A | 1,2 | G1/8 | - | - | 8,5 | 8,5 | 0,045 |
| 32B-1.15CZ-A | 1,5 | G1/8 | - | - | 6,0 | 6,0 | 0,082 |
| 32B-1.20CZ-A | 2,0 | G1/8 | - | - | 3,0 | 3,0 | 0,133 |

| Type 34A, normally closed | | | | | |
|---|-------------------|-------|--------------------------------------|----|----------------------------------|
| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | kv-value in m ³ /h |
| | | | coil EXFA | | |
| | | | 50Hz | DC | |
| More technical data for coil type EXFA is available on request. | | | | | |

| Type 34B, normally open | | | | | |
|---|-------------------|-------|--------------------------------------|----|----------------------------------|
| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | kv-value in m ³ /h |
| | | | coil EXFA | | |
| | | | 50Hz | DC | |
| More technical data for coil type EXFA is available on request. | | | | | |



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Type 51A, normally closed

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | | | kv-value in m ³ /h |
|---------------------|-------------------|--------|--------------------------------------|-----------|----------------|----------|-----------|----|----------------------------------|
| | | | coil C1DA | | coil CWMA/CVFA | | coil EXFA | | |
| | | | 50Hz | DC | 50Hz | DC | 50Hz | DC | |
| 51A-3.-AC... | 14 | G3/8 | 0,5 - 16 | 0,5 - 4,8 | 0,5 - 10 | 0,5 - 12 | - | - | 3,0 |
| 51A-4.-AC... | 14 | G1/2 | 0,5 - 16 | 0,5 - 4,8 | 0,5 - 10 | 0,5 - 12 | - | - | 3,4 |
| 51A-5.-AC... | 19 | G3/4 | 0,5 - 16 | 0,5 - 4,8 | 0,5 - 10 | 0,5 - 12 | - | - | 4,8 |
| 51A-6.-AC... | 25 | G1 | 0,5 - 16 | 0,5 - 4,8 | 0,5 - 10 | 0,5 - 12 | - | - | 8,5 |
| 51A-7.-AE... | 40 | G1 1/4 | - | - | - | - | - | - | 15,0 |
| 51A-8.-AE... | 40 | G1 1/2 | - | - | - | - | - | - | 19,5 |
| 51A-9.-AE... | 50 | G2 | - | - | - | - | - | - | 30,5 |

More technical data for coil type EXFA is available on request.

Type 51B, normally open

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | | | kv-value in m ³ /h |
|---------------------|-------------------|--------|--------------------------------------|----|----------------|---------|-----------|----|----------------------------------|
| | | | coil C1DA | | coil CWMA/CVFA | | coil EXFA | | |
| | | | 50Hz | DC | 50Hz | DC | 50Hz | DC | |
| 51B-3.-AC... | 14 | G3/8 | 0,5 - 5 | - | - | 0,5 - 5 | - | - | 3,0 |
| 51B-4.-AC... | 14 | G1/2 | 0,5 - 5 | - | - | 0,5 - 5 | - | - | 3,4 |
| 51B-5.-AC... | 19 | G3/4 | 0,5 - 5 | - | - | 0,5 - 5 | - | - | 4,8 |
| 51B-6.-AC... | 25 | G1 | 0,5 - 5 | - | - | 0,5 - 5 | - | - | 8,5 |
| 51B-7.-AE... | 40 | G1 1/4 | - | - | - | - | - | - | 15,0 |
| 51B-8.-AE... | 40 | G1 1/2 | - | - | - | - | - | - | 19,5 |
| 51B-9.-AE... | 50 | G2 | - | - | - | - | - | - | 30,5 |

More technical data for coil type EXFA is available on request.

| Type 62A, normally closed | | | | | | | |
|---------------------------|-------------------|--------|--------------------------------------|---------|----------------|-----------|----------------------------------|
| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value in m ³ /h |
| | | | coil C1DA | | coil CWMA/CVFA | | |
| | | | 50Hz | DC | 50Hz | DC | |
| 62A-4.-AC... | 13 | G1/2 | 0,3 - 16 | 0,3 - 3 | 0,3 - 8 | 0,3 - 8 | 3,4 |
| 62A-5.-AC... | 18 | G3/4 | 0,3 - 16 | 0,3 - 3 | 0,3 - 8 | 0,3 - 8 | 4,8 |
| 62A-6.-AC... | 24 | G1 | 0,3 - 16 | 0,3 - 3 | 0,3 - 8 | 0,3 - 8 | 8,5 |
| 62A-7.-AE... | 30 | G1 1/4 | 0,3 - 9 | 0,3 - 2 | 0,3 - 5,5 | 0,3 - 5,5 | 15,0 |
| 62A-8.-AE... | 38 | G1 1/2 | 0,3 - 9 | 0,3 - 2 | 0,3 - 5,5 | 0,3 - 5,5 | 19,5 |
| 62A-9.-AE... | 50 | G2 | 0,3 - 9 | 0,3 - 2 | 0,3 - 5,5 | 0,3 - 5,5 | 30,5 |

| Type 62B, normally open | | | | | | | |
|-------------------------|-------------------|--------|--------------------------------------|----|----------------|---------|----------------------------------|
| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value in m ³ /h |
| | | | coil C1DA | | coil CWMA/CVFA | | |
| | | | 50Hz | DC | 50Hz | DC | |
| 62B-4.C-AC... | 13 | G1/2 | 0,3 - 7 | - | 0,3 - 7 | 0,3 - 7 | 3,4 |
| 62B-5.C-AC... | 18 | G3/4 | 0,3 - 7 | - | 0,3 - 7 | 0,3 - 7 | 4,8 |
| 62B-6.C-AC... | 24 | G1 | 0,3 - 7 | - | 0,3 - 7 | 0,3 - 7 | 8,5 |
| 62B-7.C-AC... | 30 | G1 1/4 | 0,3 - 4 | - | 0,3 - 4 | 0,3 - 4 | 15,0 |
| 62B-8.C-AC... | 38 | G1 1/2 | 0,3 - 4 | - | 0,3 - 4 | 0,3 - 4 | 19,5 |
| 62B-9.C-AC... | 50 | G2 | 0,3 - 4 | - | 0,3 - 4 | 0,3 - 4 | 30,5 |



SOLENOID VALVES WITH ATEX COILS

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Type 82C, 3/2-way solenoid valve, normally closed, pressure at port 2 (P)

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | | | | | kv- value body nozzle in m ³ /h | kv- value pole nozzle in m ³ /h |
|---------------------|----------------------|-------|--------------------------------------|-----|----------------|-----|---------------------|------|----------------|------|--|--|
| | | | coil C1DA | | | | coil CWMA/CVFA | | | | | |
| | | | fluid compr. air | | fluid water | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | 50Hz | DC | 50Hz | DC | | |
| 82C-1.1012CA-A | 1,0 | G1/8 | 9,6 | 9,6 | 6,0 | 6,0 | - | - | - | - | 0,030 | 0,040 |
| 82C-1.1212CA-A | 1,2 | G1/8 | 9,0 | 9,0 | 5,5 | 5,5 | - | - | - | - | 0,045 | 0,040 |
| 82C-1.1515BA-A | 1,5 | G1/8 | 3,0 | 3,0 | 2,0 | 2,0 | - | - | - | - | 0,082 | 0,060 |
| 82C-1.2018BA-A | 2,0 | G1/8 | 1,6 | 1,6 | 1,6 | 1,6 | - | - | - | - | 0,133 | 0,071 |
| 82C-1.2518BA-A | 2,5 | G1/8 | 1,4 | 1,4 | 1,4 | 1,4 | - | - | - | - | 0,195 | 0,071 |
| 82C-1.1012FA-A | 1,0 | G1/8 | 13,0 | - | 12,0 | - | 13,0 | 13,0 | 12,0 | 13,0 | 0,030 | 0,040 |
| 82C-1.1212FA-A | 1,2 | G1/8 | 11,0 | - | 10,0 | - | 11,0 | 11,0 | 10,0 | 11,0 | 0,045 | 0,040 |
| 82C-1.1515FA-A | 1,5 | G1/8 | 7,0 | - | 7,0 | - | 7,0 | 7,0 | 7,0 | 7,0 | 0,082 | 0,060 |
| 82C-1.2018DA-A | 2,0 | G1/8 | 3,2 | - | 3,2 | - | 3,2 | 3,2 | 3,2 | 3,2 | 0,133 | 0,071 |
| 82C-1.2518DA-A | 2,5 | G1/8 | 2,5 | - | 2,5 | - | 2,5 | 2,5 | 2,5 | 2,5 | 0,195 | 0,071 |
| 82C-1.1012GA-A | 1,0 | G1/8 | - | - | - | - | 16,0 | 16,0 | 16,0 | 16,0 | 0,030 | 0,040 |
| 82C-1.1212GA-A | 1,2 | G1/8 | - | - | - | - | 15,0 | 15,0 | 15,0 | 15,0 | 0,045 | 0,040 |
| 82C-1.1515GA-A | 1,5 | G1/8 | - | - | - | - | 8,0 | 8,0 | 8,0 | 8,0 | 0,082 | 0,060 |
| 82C-1.2018FA-A | 2,0 | G1/8 | - | - | - | - | 4,0 | 4,0 | 4,0 | 4,0 | 0,133 | 0,071 |
| 82C-1.2518EA-A | 2,5 | G1/8 | - | - | - | - | 3,0 | 3,0 | 3,0 | 3,0 | 0,195 | 0,071 |

Type 82D, 3/2-way solenoid valve, normally open, pressure at port R

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | | | | | kv- value body nozzle in m ³ /h | kv- value pole nozzle in m ³ /h |
|---------------------|-------------------|-------|--------------------------------------|-----|----------------|-----|---------------------|-----|----------------|-----|--|--|
| | | | coil C1DA | | | | coil CWMA/CVFA | | | | | |
| | | | fluid compr. air | | fluid water | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | 50Hz | DC | 50Hz | DC | | |
| 82D-1.1012AB-A | 1,0 | G1/8 | 3,1 | 1,8 | 4,8 | 2,5 | 2,3 | 2,4 | 4,2 | 3,9 | 0,030 | 0,040 |
| 82D-1.1212AB-A | 1,2 | G1/8 | 2,8 | 1,3 | 4,2 | 1,6 | 2,0 | 2,0 | 2,7 | 3,3 | 0,045 | 0,040 |
| 82D-1.1515AB-A | 1,5 | G1/8 | 2,2 | 0,7 | 2,8 | 1,0 | 1,5 | 1,3 | 1,8 | 1,9 | 0,082 | 0,060 |
| 82D-1.2018AB-A | 2,0 | G1/8 | 1,8 | 0,3 | 2,3 | 0,4 | 1,3 | 1,2 | 1,1 | 1,3 | 0,133 | 0,071 |
| 82D-1.1012AC-A | 1,0 | G1/8 | 3,2 | 2,0 | 5,8 | 2,6 | 1,2 | 3,1 | 3,6 | 3,9 | 0,030 | 0,040 |
| 82D-1.1212AC-A | 1,2 | G1/8 | 3,0 | 1,5 | 4,4 | 1,8 | 0,8 | 2,4 | 1,0 | 3,2 | 0,045 | 0,040 |
| 82D-1.1515AC-A | 1,5 | G1/8 | 2,1 | 0,8 | 2,8 | 0,8 | 1,6 | 1,6 | 1,7 | 1,8 | 0,082 | 0,060 |
| 82D-1.2018AC-A | 2,0 | G1/8 | 1,6 | 0,5 | 2,0 | 0,6 | 1,2 | 1,0 | 0,8 | 1,2 | 0,133 | 0,071 |
| 82D-1.1012AD-A | 1,0 | G1/8 | 3,4 | 2,3 | 4,9 | 2,7 | 2,6 | 3,1 | 3,2 | 4,4 | 0,030 | 0,040 |
| 82D-1.1212AD-A | 1,2 | G1/8 | 3,1 | 1,8 | 4,1 | 1,9 | 2,1 | 2,4 | 2,5 | 3,2 | 0,045 | 0,040 |
| 82D-1.1515AD-A | 1,5 | G1/8 | 2,8 | 1,3 | 3,1 | 1,4 | 1,4 | 2,8 | 1,7 | 3,0 | 0,082 | 0,060 |
| 82D-1.2018AD-A | 2,0 | G1/8 | 1,4 | 0,6 | 1,6 | 0,5 | 1,0 | 1,2 | 1,2 | 1,2 | 0,133 | 0,071 |

Type 84C, 3/2-way solenoid valve, normally closed, pressure at port 2 (P)

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value body nozzle in m ³ /h | kv-value pole nozzle in m ³ /h |
|---------------------|-------------------|-------|--------------------------------------|----|----------------|----|--|--|
| | | | coil EXFA | | | | | |
| | | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | | |

More technical data for coil type EXFA is available on request.

Type 84D, 3/2-way solenoid valve, normally open, pressure at port R

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value body nozzle in m ³ /h | kv-value pole nozzle in m ³ /h |
|---------------------|-------------------|-------|--------------------------------------|----|----------------|----|--|--|
| | | | coil EXFA | | | | | |
| | | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | | |

More technical data for coil type EXFA is available on request.



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Type 92C, 3/2-way solenoid valve, normally closed, pressure at port 2 (P)

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | | | | | kv- value body nozzle in m ³ /h | kv- value pole nozzle in m ³ /h |
|---------------------|----------------------|-------|--------------------------------------|-----|----------------|-----|---------------------|------|----------------|------|--|--|
| | | | coil C1DA | | | | coil CWMA/CVFA | | | | | |
| | | | fluid compr. air | | fluid water | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | 50Hz | DC | 50Hz | DC | | |
| 92C-1.1012CA-A | 1,0 | G1/8 | 9,6 | 9,6 | 6,0 | 6,0 | - | - | - | - | 0,030 | 0,040 |
| 92C-1.1212CA-A | 1,2 | G1/8 | 9,0 | 9,0 | 5,5 | 5,5 | - | - | - | - | 0,045 | 0,040 |
| 92C-1.1515BA-A | 1,5 | G1/8 | 3,0 | 3,0 | 2,0 | 2,0 | - | - | - | - | 0,082 | 0,060 |
| 92C-1.2018BA-A | 2,0 | G1/8 | 1,6 | 1,6 | 1,6 | 1,6 | - | - | - | - | 0,133 | 0,071 |
| 92C-1.2518BA-A | 2,5 | G1/8 | 1,4 | 1,4 | 1,4 | 1,4 | - | - | - | - | 0,195 | 0,071 |
| 92C-1.1012FA-A | 1,0 | G1/8 | 13,0 | - | 12,0 | - | 13,0 | 13,0 | 12,0 | 13,0 | 0,030 | 0,040 |
| 92C-1.1212FA-A | 1,2 | G1/8 | 11,0 | - | 10,0 | - | 11,0 | 11,0 | 10,0 | 11,0 | 0,045 | 0,040 |
| 92C-1.1515FA-A | 1,5 | G1/8 | 7,0 | - | 7,0 | - | 7,0 | 7,0 | 7,0 | 7,0 | 0,082 | 0,060 |
| 92C-1.2018DA-A | 2,0 | G1/8 | 3,2 | - | 3,2 | - | 3,2 | 3,2 | 3,2 | 3,2 | 0,133 | 0,071 |
| 92C-1.2518DA-A | 2,5 | G1/8 | 2,5 | - | 2,5 | - | 2,5 | 2,5 | 2,5 | 2,5 | 0,195 | 0,071 |
| 92C-1.1012GA-A | 1,0 | G1/8 | - | - | - | - | 16,0 | 16,0 | 16,0 | 16,0 | 0,030 | 0,040 |
| 92C-1.1212GA-A | 1,2 | G1/8 | - | - | - | - | 15,0 | 15,0 | 15,0 | 15,0 | 0,045 | 0,040 |
| 92C-1.1515GA-A | 1,5 | G1/8 | - | - | - | - | 8,0 | 8,0 | 8,0 | 8,0 | 0,082 | 0,060 |
| 92C-1.2018FA-A | 2,0 | G1/8 | - | - | - | - | 4,0 | 4,0 | 4,0 | 4,0 | 0,133 | 0,071 |
| 92C-1.2518EA-A | 2,5 | G1/8 | - | - | - | - | 3,0 | 3,0 | 3,0 | 3,0 | 0,195 | 0,071 |

Type 92D, 3/2-way solenoid valve, normally open, pressure at port R

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | | | | | kv- value body nozzle in m ³ /h | kv- value pole nozzle in m ³ /h |
|---------------------|-------------------|-------|--------------------------------------|-----|----------------|-----|---------------------|-----|----------------|-----|--|--|
| | | | coil C1DA | | | | coil CWMA/CVFA | | | | | |
| | | | fluid compr. air | | fluid water | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | 50Hz | DC | 50Hz | DC | | |
| 92D-1.1012AB-A | 1,0 | G1/8 | 3,1 | 1,8 | 4,8 | 2,5 | 2,3 | 2,4 | 4,2 | 3,9 | 0,030 | 0,040 |
| 92D-1.1212AB-A | 1,2 | G1/8 | 2,8 | 1,3 | 4,2 | 1,6 | 2,0 | 2,0 | 2,7 | 3,3 | 0,045 | 0,040 |
| 92D-1.1515AB-A | 1,5 | G1/8 | 2,2 | 0,7 | 2,8 | 1,0 | 1,5 | 1,3 | 1,8 | 1,9 | 0,082 | 0,060 |
| 92D-1.2018AB-A | 2,0 | G1/8 | 1,8 | 0,3 | 2,3 | 0,4 | 1,3 | 1,2 | 1,1 | 1,3 | 0,133 | 0,071 |
| 92D-1.1012AC-A | 1,0 | G1/8 | 3,2 | 2,0 | 5,8 | 2,6 | 1,2 | 3,1 | 3,6 | 3,9 | 0,030 | 0,040 |
| 92D-1.1212AC-A | 1,2 | G1/8 | 3,0 | 1,5 | 4,4 | 1,8 | 0,8 | 2,4 | 1,0 | 3,2 | 0,045 | 0,040 |
| 92D-1.1515AC-A | 1,5 | G1/8 | 2,1 | 0,8 | 2,8 | 0,8 | 1,6 | 1,6 | 1,7 | 1,8 | 0,082 | 0,060 |
| 92D-1.2018AC-A | 2,0 | G1/8 | 1,6 | 0,5 | 2,0 | 0,6 | 1,2 | 1,0 | 0,8 | 1,2 | 0,133 | 0,071 |
| 92D-1.1012AD-A | 1,0 | G1/8 | 3,4 | 2,3 | 4,9 | 2,7 | 2,6 | 3,1 | 3,2 | 4,4 | 0,030 | 0,040 |
| 92D-1.1212AD-A | 1,2 | G1/8 | 3,1 | 1,8 | 4,1 | 1,9 | 2,1 | 2,4 | 2,5 | 3,2 | 0,045 | 0,040 |
| 92D-1.1515AD-A | 1,5 | G1/8 | 2,8 | 1,3 | 3,1 | 1,4 | 1,4 | 2,8 | 1,7 | 3,0 | 0,082 | 0,060 |
| 92D-1.2018AD-A | 2,0 | G1/8 | 1,4 | 0,6 | 1,6 | 0,5 | 1,0 | 1,2 | 1,2 | 1,2 | 0,133 | 0,071 |

Type 94C, 3/2-way solenoid valve, normally closed, pressure at port 2 (P)

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value body nozzle in m ³ /h | kv-value body nozzle in m ³ /h |
|---------------------|-------------------|-------|--------------------------------------|----|----------------|----|---|---|
| | | | coil EXFA | | | | | |
| | | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | | |

More technical data for coil type EXFA is available on request.

Type 94D, 3/2-way solenoid valve, normally open, pressure at port R

| type (order-no.) | NW DN in mm | ports | maximum differential pressure in bar | | | | kv-value body nozzle in m ³ /h | kv-value body nozzle in m ³ /h |
|---------------------|-------------------|-------|--------------------------------------|----|----------------|----|---|---|
| | | | coil EXFA | | | | | |
| | | | fluid compr. air | | fluid water | | | |
| | | | 50Hz | DC | 50Hz | DC | | |

More technical data for coil type EXFA is available on request.