

### Standard type

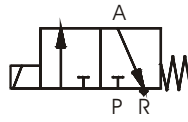
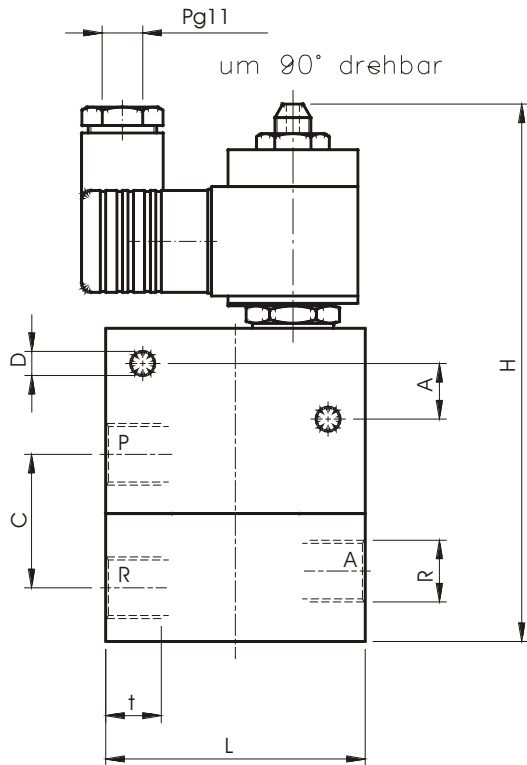
In rest position P is closed towards A and A is opened towards R.  
As soon as the solenoid is energised, the primary pressure acts above the pilot drilling on the piston. Then P will be opened towards A and R will be closed to A. The pressure drop is necessary.



type of control:	pilot operated	metallic internals:	brass and stainless steel (AISI 430F)
construction:	poppet design	seal:	NBR
connection:	G1/4 up to G2, DIN ISO 228	installation:	actuator in any position, upw. is recommended
Druck: pressure:	2-30 bar (s. Tabelle) 2-30 bar (see table)	Anschlußspannung: supply voltage:	AC: 24,42,110,230V 50/60Hz DC: 24,110V=
Viskosität: viscosity:	22mm <sup>2</sup> /s 22mm <sup>2</sup> /s	Spannungstoleranz: voltage tolerance:	+5% / -10% +5% / -10%
Mediumtemperatur: medium temperature:	-10 bis +80°C -10 up to +80°C	Leistungsaufnahme: power-consumption:	1032=11 Watt 0032=24/15 VA 1012=18,5 Watt 0012=43/24 VA 1147=10 Watt 0147=9 VA
Durchflußmedium: medium:	neutrale, gasförmige u. flüssige Medien neutral, gaseous and liquid medium (Entlüftung ins Freie / exhaust in free)	Schutzart: enclosure standard:	IP65 nach DIN 40050 IP65 according to DIN 40050
Umgebungstemperatur: ambient temperature:	+35°C +35°C	Einschaltdauer: operating factor:	100% ED-VDE 0580 100% ED-VDE 0580
Ventilgehäuse: body material:	../10../.. = Messing ../10../.. = brass	Kabelanschluß: electric connection:	Gerätestecker DIN 43650 DIN 43650 - plug

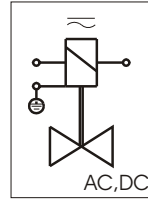
G	Sitz orifice mm	Kv-Wert flow-rate m <sup>3</sup> /h	Standardtype standard type	max. Druck bei Magnettype max. pressure regarding solenoid type			
				.032	.012	.012-NO	EEX mil T4 .147
1/4	11	1,0	A7421/1001/....	2-12	2-30	2-10	2-10
3/8	11	1,2	A7422/1001/....	2-12	2-30	2-10	2-10
1/2	11	1,5	A7423/1001/....	2-12	2-30	2-10	2-10
3/4	22	6,3	A7424/1001/....	2-12	2-30	2-10	2-10
1	22	6,3	A7425/1001/....	2-12	2-30	2-10	2-10
5/4	28	13,0	B7426/1001/....	2-12	2-30	2-10	2-10
6/4	40	25,0	B7427/1001/....	2-12	2-30	2-10	2-10
2	50	36,0	B7428/1001/....	2-12	2-30	2-10	2-10

Maßzeichnung Standardausführung  
dimensional drawing of standard type



Schaltfunktion/function:  
in Ruhestellung gesperrt - NC.  
normally closed - NC.

Anschlußplan / connection diagramm



Für Wechsel- und Gleichspannung.  
For AC and DC.

Erdung oder Schutzschaltung nach Vorschrift des zuständigen EVU.  
Grounding or earthing of the protective circuit in accordance with regulations of the responsible electric supply company.

Absicherung entsprechend der Stromaufnahme vorsehen.  
Any solenoid with a protection according to the power-consumption.

Magnet solenoid	.032/ .012/ .012-NO/ .147							
Type	A7421	A7422	A7423	A7424	A7425	B7426	B7427	B7428
A	15	15	15	-	-	51	51	-
B	50	50	50	56	56	80	80	-
C	37	37	37	53	53	81	81	85
D	6,5	6,5	6,5	6,5	6,5	8,5	8,5	-
H	70	70	70	81	81	103	103	121
L	67	67	67	95	95	132	132	160
R	G1/4	G3/8	G1/2	G3/4	G1	G5/4	G6/4	G2
t	12	12	12	12,5	14	18	18	20
PG	11	11	11	11	11	11	11	11
kg	2,0	2,0	2,0	3,5	3,5	8,5	8,5	12,5

Alle Angaben sind freibleibend und unverbindlich / all technical specifications are without obligation!

**Weitere Ventilausführungen**

Dichtung= FKM, EPDM  
seal= FKM, EPDM

andere Durchflußmedien und Viskositäten  
varying medium and viscosity ranges

abweichende Temperaturen und Drücke  
varying temperature and pressure ranges

Stellungsanzeiger (Endschalter ab G3/4)= EH  
position indicator (limit switch up to G3/4)= EH

Ex-Schutz= EEx dll cT4  
explosion proof= EEx dll cT4

**optional extras**

Handbetätigung= HA  
manual override= HA

Öl- und fettfrei= OF  
free of oil and grease= OF (for oxygen applications)

buntmetallfrei= BF  
free of brass and bronze= BF

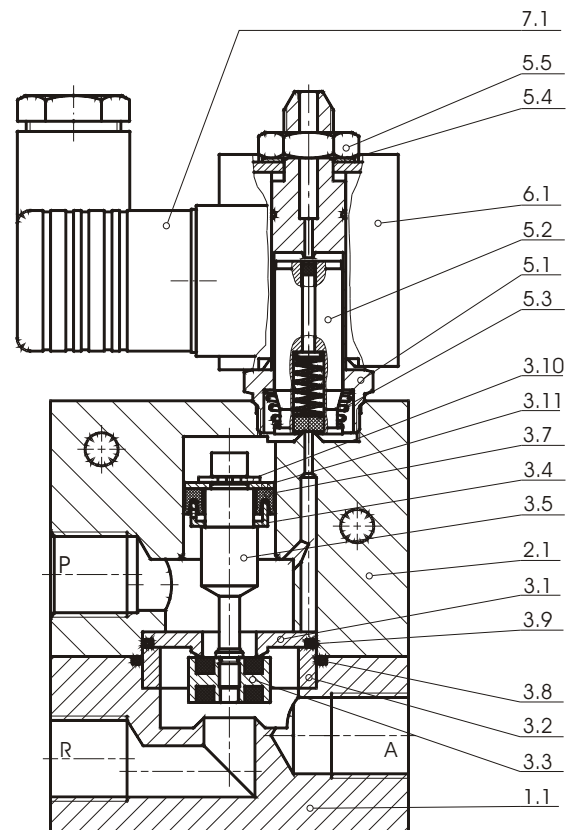
Temperaturausführung bis +130°C= TM  
design for high temperature up to +130°C= TM

Stückliste - parts list

- K1.1 Armatur / valve body
- K2.1 Zylinder / cylinder
- K3.1 Sitzscheibe / disk
- K3.2 Führungsstern / guide star
- \*K3.3 Ventilteller / valve plate
- \*K3.4 Nutringaufnahme /
- \*K3.5 Spindel / spindle
- \*K3.7 Nutring / seal ring
- \*K3.8 O-Ring / o-ring
- \*K3.9 O-Ring / o-ring
- \*K3.10 Sicherungsring / ring
- \*K3.11 Scheibe / disk
- K5.1 Magnethülse / solenoid tube
- K5.2 Magnetanker / solenoid plunger
- K5.3 Feder / spring
- K5.4 Wellscheibe / corrugated disk
- K5.5 Mutter / nut
- K6.1 Magnet / solenoid
- K7.1 Gerätestecker / plug

\* = Bestandteil des Ersatzteilkäppchens  
(je nach Ausführung freibleibend)  
 \* = all components of spare parts and service  
 sets are variable in reference to different  
 versions and executions. (These specifications  
 are without obligation).

Baureihe / type A7421-A7425  
 Standardausführung - standard type

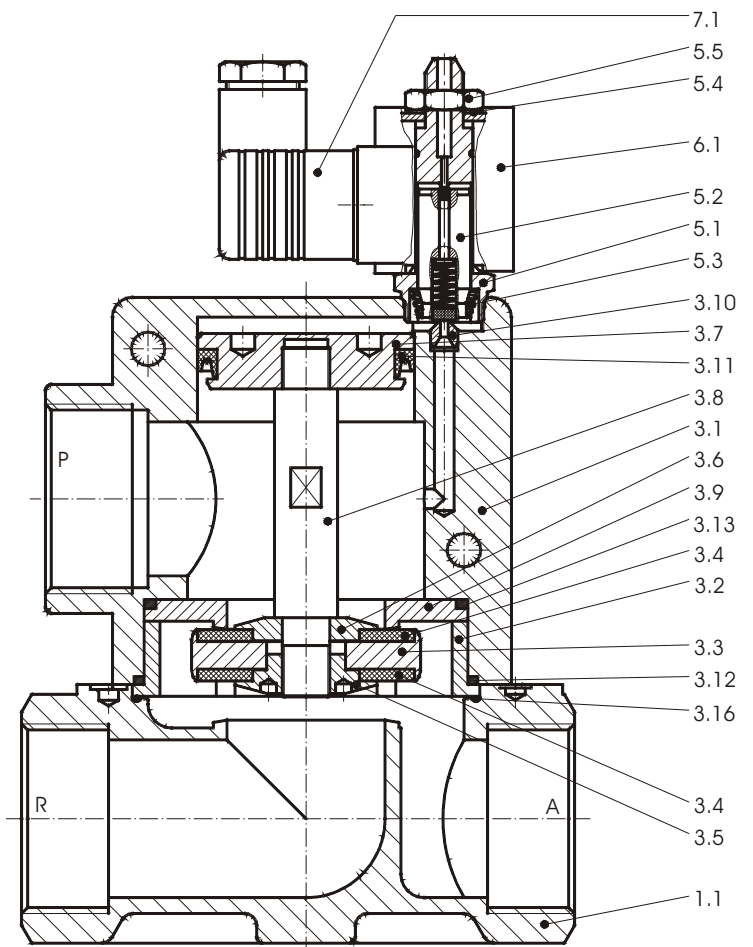


Stückliste - parts list

- K1.1 Armatur / valve body
- K3.1 Zylinder / cylinder
- K3.2 Führungsstern / guide star
- \*K3.3 Ventilteller / valve plate
- \*K3.4 Dichtung / seal
- \*K3.5 Verschraubung / screw joint
- \*K3.6 Scheibe / disk
- \*K3.7 Kolben / piston
- \*K3.8 Spindel / spindle
- K3.9 Sitzscheibe / disk
- K3.10 Sitzdüse / nozzle
- \*K3.11 Nutring / u-cup seal
- \*K3.12 O-Ring / o-ring
- \*K3.13 O-Ring / o-ring
- \*K3.16 O-Ring / o-ring
- K5.1 Magnethülse / solenoid tube
- K5.2 Magnetanker / solenoid plunger
- K5.3 Feder / spring
- K5.4 Scheibe / disk
- K5.5 Befestigungsmutter / locking nut
- K6.1 Magnet / solenoid
- K7.1 Gerätestecker / plug

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Baureihe / type B7426-B7428



Ventiloptionen / optional extras

Stückliste - parts list

- K1.1 Armatur / valve body
- K3.1 Zylinder / cylinder
- K3.2 Führungsstern / guide star
- \*K3.3 Ventilteller / valve plate
- \*K3.4 Dichtung / seal
- \*K3.5 Verschraubung / screw joint
- \*K3.6 Scheibe / disk
- \*K3.7 Kolben / piston
- \*K3.8 Spindel / spindle
- K3.9 Sitzscheibe / disk
- K3.10 Sitzdüse / nozzle
- \*K3.11 Nutring / u-cup seal
- \*K3.12 O-Ring / o-ring
- \*K3.13 O-Ring / o-ring
- \*K3.16 O-Ring / o-ring
- K5.1 Magnethülse / solenoid tube
- K5.4 Scheibe / disk
- K5.5 Befestigungsmutter / locking nut
- K6.1 Magnet / solenoid
- K7.1 Gerätestecker / plug

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Baureihe 74 Ausführung in NO  
 type 74 NO - design

