



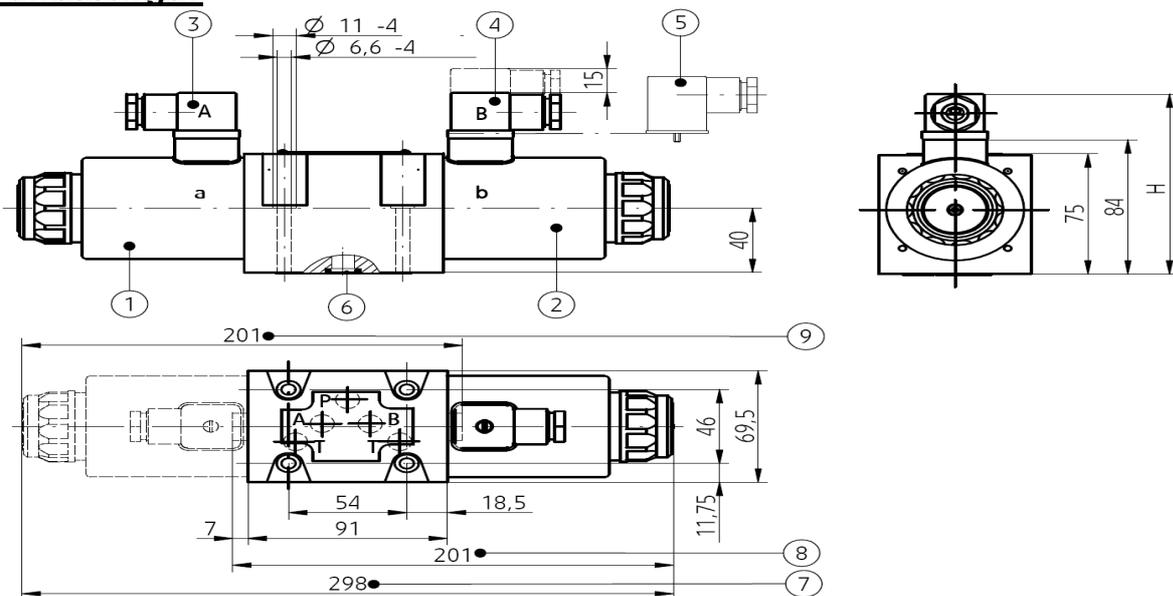
gewünschte Endstellung. Dadurch wird die geforderte Volumenstromrichtung P nach A und B nach T oder P nach B und A nach T frei. Nach Endregelung des Magneten wird der Steuerkolben durch die Rückstellfeder wieder in seine Ruhelage geschoben. Eine Notbetätigung 5, gestattet ein Verschieben des Steuerkolbens ohne Magneterregung.

**Druckspitzen in der Tankleitung zu zwei oder mehreren Ventilen können bei Ventilen mit Raste unbeabsichtigte Kolbenbewegungen hervorrufen! Es wird empfohlen, separate Rücklaufleitungen zu verlegen oder ein Rückschlagventil in die Tankleitung einzubauen.**

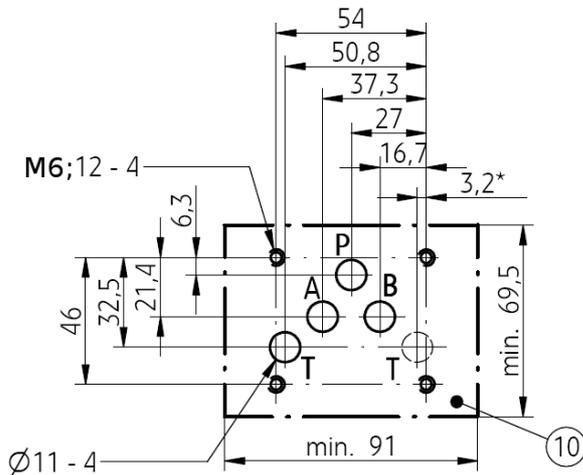
## Technische Daten

Einbaulage	beliebig
Masse Ventil mit 1 Magnet	max. 4,6 Kg
Masse Ventil mit 2 Magneten	max. 6,2 Kg
Druckflüssigkeit	Mineralöl
Viskositätsbereich	2,8 bis 380 mm <sup>2</sup> /s
Optimale Betriebstemperatur	40-55°C
Viskositätsbereich	37mm <sup>2</sup> / 55 °C
Maximaler Betriebsdruck Anschluss P,A,B	31,5 MPa
Maximaler Betriebsdruck Anschluss T	16 MPa
Schaltzeit Einschaltdauer	60 ms
Schaltzeit Ausschaltzeit	40 ms
Maximale Spulentemperatur	150°C
Druckflüssigkeitstemperaturbereich	39° - 55 °C
Schutzart	IP65 mit montierter und verriegelter Leitungsdose
Leistungsaufnahme	45 W
	Beim elektrischen Anschluss ist der Schutzleiter vorschriftsmäßig anzuschließen

## Abmessungen

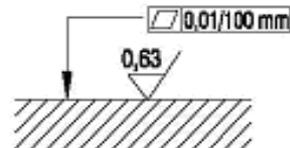


Position - Beschreibung	
1	Elektromagnet <b>a</b>
2	Elektromagnet <b>b</b>
3	Stecker <b>A</b> (Typ Z4)
4	Stecker <b>B</b> (Typ Z4)
5	Stecker mit Gleichrichter (Typ Z4)
6	Dichtung: O-Ring 12x2, 5 Stück
7	Länge des Ventils mit zwei Elektromagneten - <b>a</b> und <b>b</b> <ul style="list-style-type: none"> <li>• 4/3-Wegeventil federzentriert (Symbol: E, F, G, H, J, L, M, Q, R, T, U, V, W)</li> <li>• 4/2-Wegeventil ohne Rückstellfedern (Symbol: A, C, D)</li> <li>• 4/2-Wegeventil ohne Raste (Symbol: A, C, D)</li> </ul>
8	Länge des Ventils mit einem Elektromagneten - <b>a</b> <ul style="list-style-type: none"> <li>• 4/2-Wegeventil federzentriert (Symbol: A, C, D, EA, FA, GA, HA, JA, LA, MA, PA, QA, RA, TA, UA, VA, WA)</li> </ul>
9	Länge des Ventils mit einem Elektromagneten - <b>b</b> <ul style="list-style-type: none"> <li>• 4/2-Wegeventil federzentriert (Symbol: B, Y, EB, FB, GB, HB, JB, LB, MB, PB, QB, RB, TB, UB, VB, WB)</li> </ul>
10	Anschlußbild

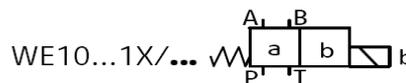


Steckertyp	Größe H
Stecker Typ Z4, Z4L (Steuerspannung 12V, 24V, 110V DC)	112
Stecker Typ Z4, Z4L mit Gleichrichter (Steuerspannung 110V, 230V AC)	119

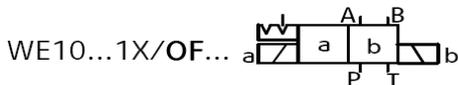
Erforderliche Oberflächengüte der Ventilauflagefläche:



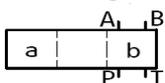
**Symbole**



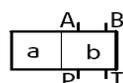
Grafische Symbole von 4/2-Wegeventilen



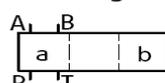
Arbeits- und Zwischenstellung



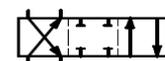
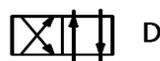
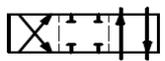
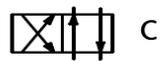
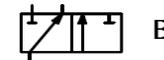
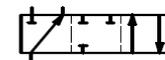
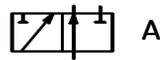
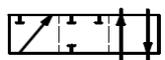
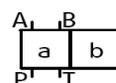
Arbeitsstellung



Arbeits- und Zwischenstellung

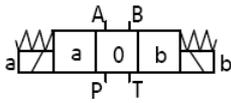
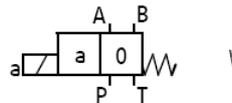
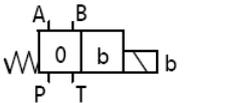
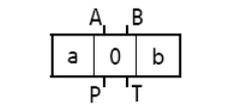
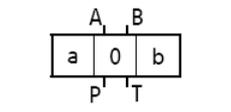
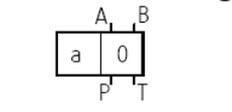
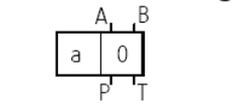
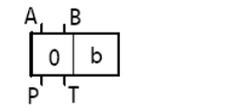
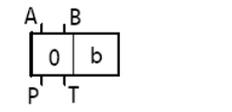
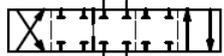
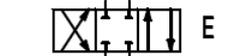
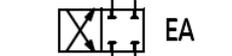
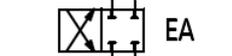
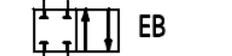
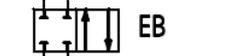
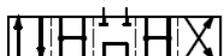
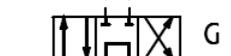
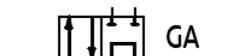
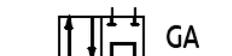
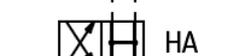
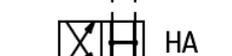
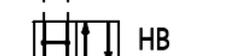
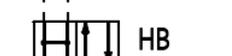
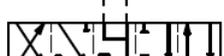
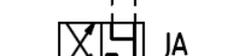
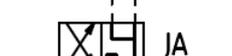
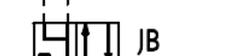
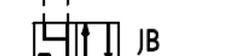
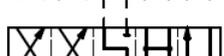
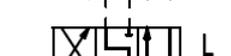
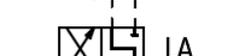
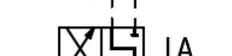
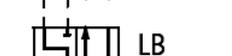
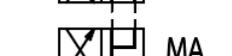
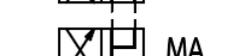
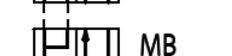
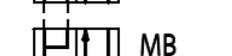
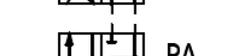
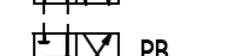
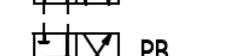
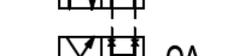
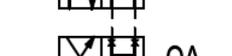
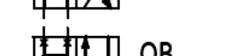
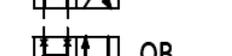
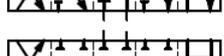
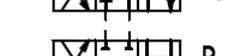
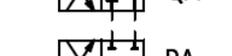
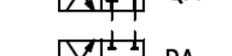
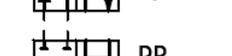
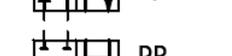
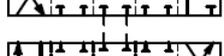
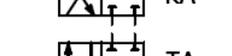
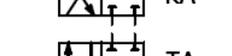
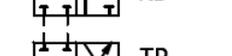
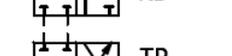
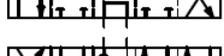
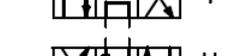
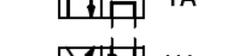
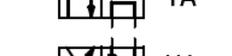
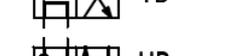
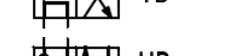
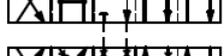
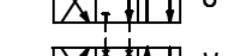
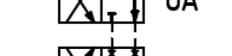
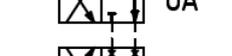
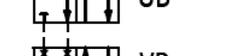
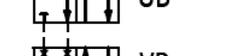
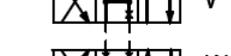
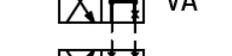
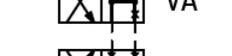
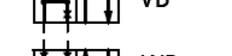
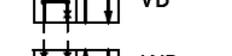


Arbeitsstellung

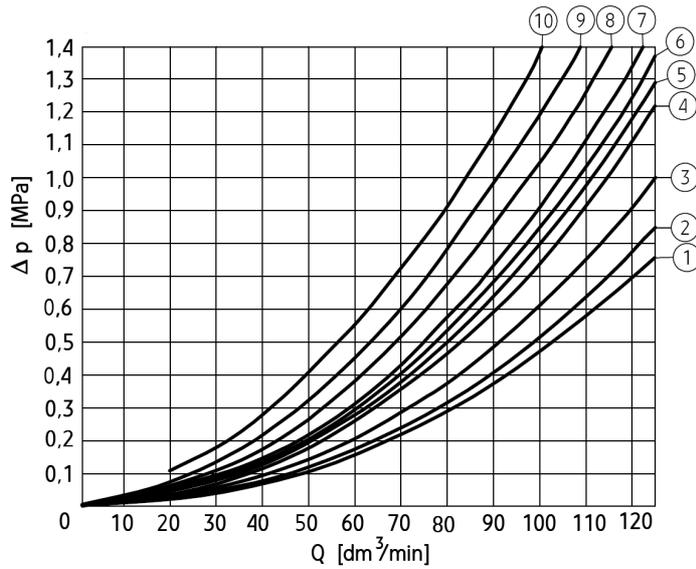


Grafische Symbole von  
4/3-Wegeventilen

Grafische Symbole von  
4/2-Wegeventilen

WE10...1X/...		Arbeits- und Zwischenstellung	WE10...1X/...		Arbeits- und Zwischenstellung	WE10...1X/...		Arbeits- und Zwischenstellung
								
		 E		 EA			 EB	
		 F		 FA			 FB	
		 G		 GA			 GB	
		 H		 HA			 HB	
		 J		 JA			 JB	
		 L		 LA			 LB	
		 M		 MA			 MB	
		 P		 PA			 PB	
		 Q		 QA			 QB	
		 R		 RA			 RB	
		 T		 TA			 TB	
		 U		 UA			 UB	
		 V		 VA			 VB	
		 W		 WA			 WB	

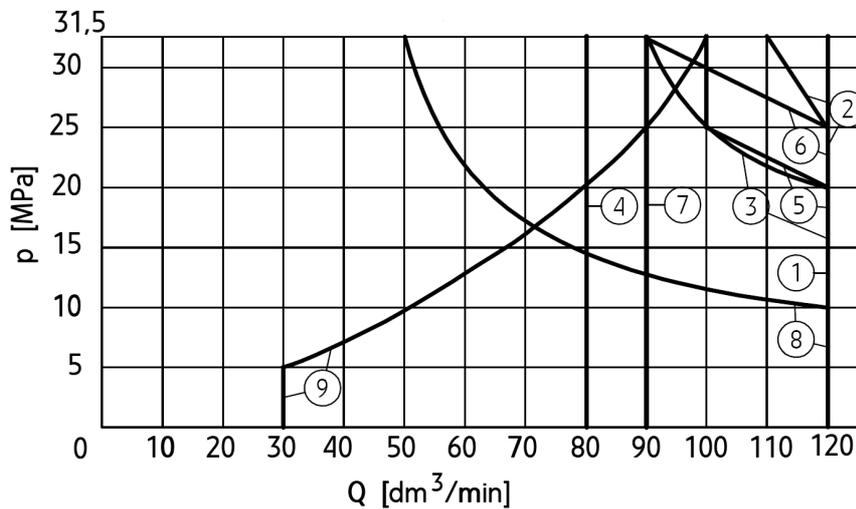
**Kennlinien** ( $v = 41 \text{ mm/s}$ ,  $t = 50^\circ\text{C}$ )



Kolbentyp	Kennlinie			
	Durchflussrichtung			
	P → A	P → B	A → T	B → T
A, B	3	3	-	-
C	3	3	4	5
D, Y	5	5	6	6
E	1	1	4	4
F	2	3	7	4
G	3	3	6	7
H	1	1	6	7
J	1	1	3	3
L	2	2	3	5
M	1	1	4	5
P	4	2	5	7
Q	1	2	1	3
R	3	6	4	-
T	3	3	6	7
U, V	2	2	3	3
W	2	2	4	5

Kolbentyp	Kennlinie					
	Durchflussrichtung					
	P → A	P → B	P → T	A → T	B → T	A → B
F	4	-	9	9	-	-
P	-	5	10	-	8	-
G, T	-	-	9	-	-	-
H	-	-	3	-	-	-
R	-	-	-	-	-	9

**Leistungsgrenze**



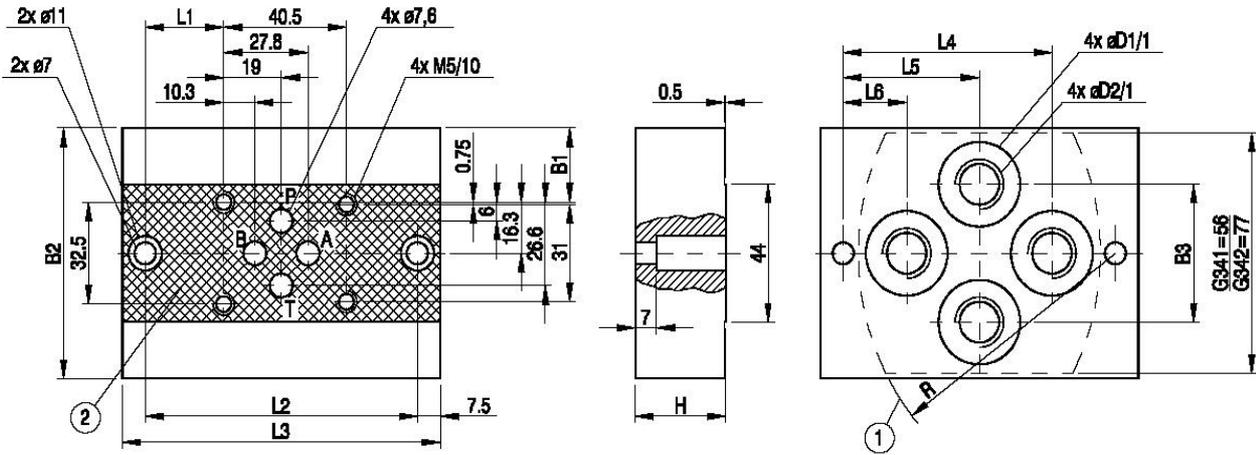
Kolbentyp	Kennlinie
C, C/O, C/OF	1
D, D/O, D/O F	
M, Y	
E	
J	2
H, Q	3
R	4
L	5
U	6
A, B	7
V	8
G	9
F, P	10
T	11
	12

**Achtung:**

Die angegebenen Leistungsgrenzen sind gültig für symmetrischen Durchfluss durch alle Kanäle, d.h. falls aus Kanal A nach B Öl einfließt, so fließt aus Kanal B nach T dieselbe Menge Öl heraus (bei Vierwegeventilen). Die Größe der Asymmetrie vermindert die Parameter.

## Anschlussplatten

siehe auch Katalogblatt DD27010



1 - Aussparung für Anschlüsse

2 - Anschlussfläche

Typ	B1	B2	B3	L1	L2	L3	L4	L5	L6	H	D1	D2	T1	R
G341/01	12,7	58	34	21	80	95	55	40	25	25	22	G1/4	70	13
G342/01	23,7	80	44	26	90	105	69	45	21	30	28	G3/8	85	13
G341/02	12,7	58	34	21	80	95	55	40	25	25	22	M14x1,5	70	15
G341/02	23,7	80	44	26	90	405	69	45	21	30	27	M16x1,5	85	16

## Bestellangaben

	WE10		1X	/							*
3 Nutzananschlüsse =3 4 Nutzananschlüsse =4											
Symbol z.B. D, E, EA, EB usw. Mögliche Ausführungen siehe Abschnitt Symbole											
Seriennummer 12 = 1X (10 – 19) unveränderte Einbau- und Anschlüsse											
Federrückstellung = ohne Bez. Ohne Federrückstellung = O Ohne Federrückstellung mit Raster = OF											
Gleichspannung 12 V = G12 Gleichspannung 24 V = G24 Gleichspannung 110V = G110 Wechselspannung 110V, 50/60 Hz, mit Gleichrichter = W110R Wechselspannung 230V, 50/60 Hz, mit Gleichrichter = W230R											
Mit verdeckter Nothandbetätigung = N Ohne Nothandbetätigung = ohne Bez.											
Einzelanschluss; mit Geräterstecker DIN EN 175301-803 = Z4 Elektrischer Anschluss Kleine Leitungsdose (Standard) = Z4 Grosse Leitungsdose mit Lampe = Z4L											
Ohne Einsteck-Drossel = ohne Bez. Drossel Ø 0,8 mm = B08 Drossel Ø 1,0 mm = B10 Drossel Ø 1,2 mm = B12 Drossel Ø 3,0 mm = B30											
Dichtungen NBR – Dichtungen = ohne Bez. FMK – Dichtungen = V											
Weitere Angaben im Klartext											

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Die angegebenen Daten dienen allein  
 der Produktbeschreibung und sind  
 nicht als zugesicherte Eigenschaften  
 im Rechtssinne zu Verstehen