

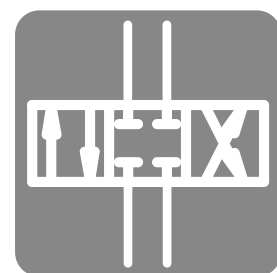
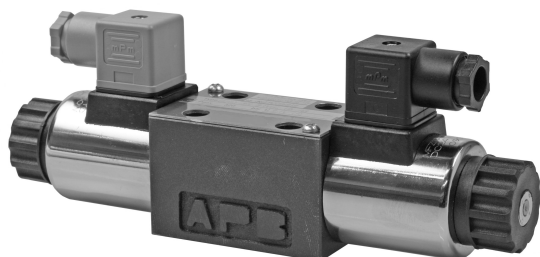
4/2- & 4/3-way directional spool valve type TAM, TBM, TCM (size 6)

operating pressure p_{\max}

320 bar

volume flow V_{\max}

60 L/min



Product characteristics

Spool valves belong to the group of directional control valves. They control the direction of movement and the speed of single and double-acting hydraulic consumers.

The 4/2 and 4/3 directional spool valves type TAM, TBM, and TCM are available as manifold mounting valves. They are available with nominal size 6 hole pattern (NG-6).

Features and benefits:

- low pressure loss
- high power density
- directly controlled
- solenoid easily interchangeable

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Technical data

General

type	spool valve, directly controlled
design	manifold mounting valve
weight	1.7 kg with 1 solenoid 2.1 kg with 2 solenoids
ambient temperature	-15 to +50 °C
mounting position	arbitrary (preferably horizontal)
max. permissible switching frequency	18,000/h
port size	hole pattern according ISO4401-03-02-0-05 (NG06)

Hydraulic parameters

Hydraulic fluid: mineral oil according to DIN 51524, other media on request

operating pressure	P, A, B: 320 bar T: 160 bar
hydraulic fluid temperature	-15 to +70 °C
viscosity	15-400 mm ² /s
permissible degree of pollution	max. class 20/18/15 according ISO 4406
filter recommendation	filter retention rate $\beta_{25} > 75$
overlap	see switching symbols

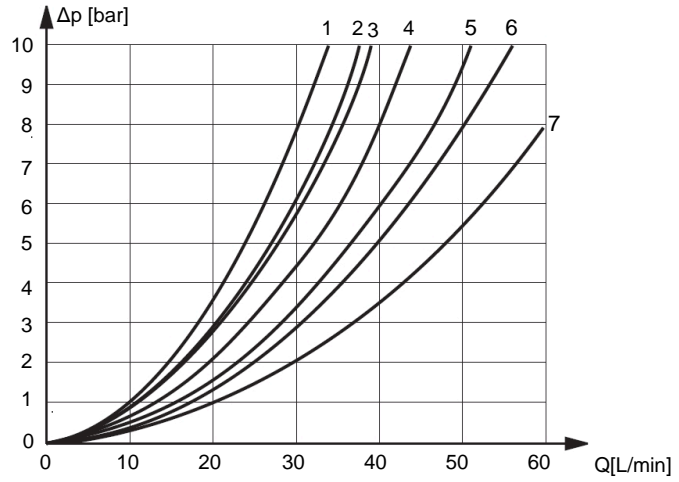
Actuation

actuation	electromagnetic
voltage	DC; AC only with rectifier socket
nominal voltage	see order information
power consumption	see order information
duty cycle	continuous operation
protection class according DIN 40050	IP65 with plug
connection type	connector DIN43650-AF2-PG9

Characteristic lines

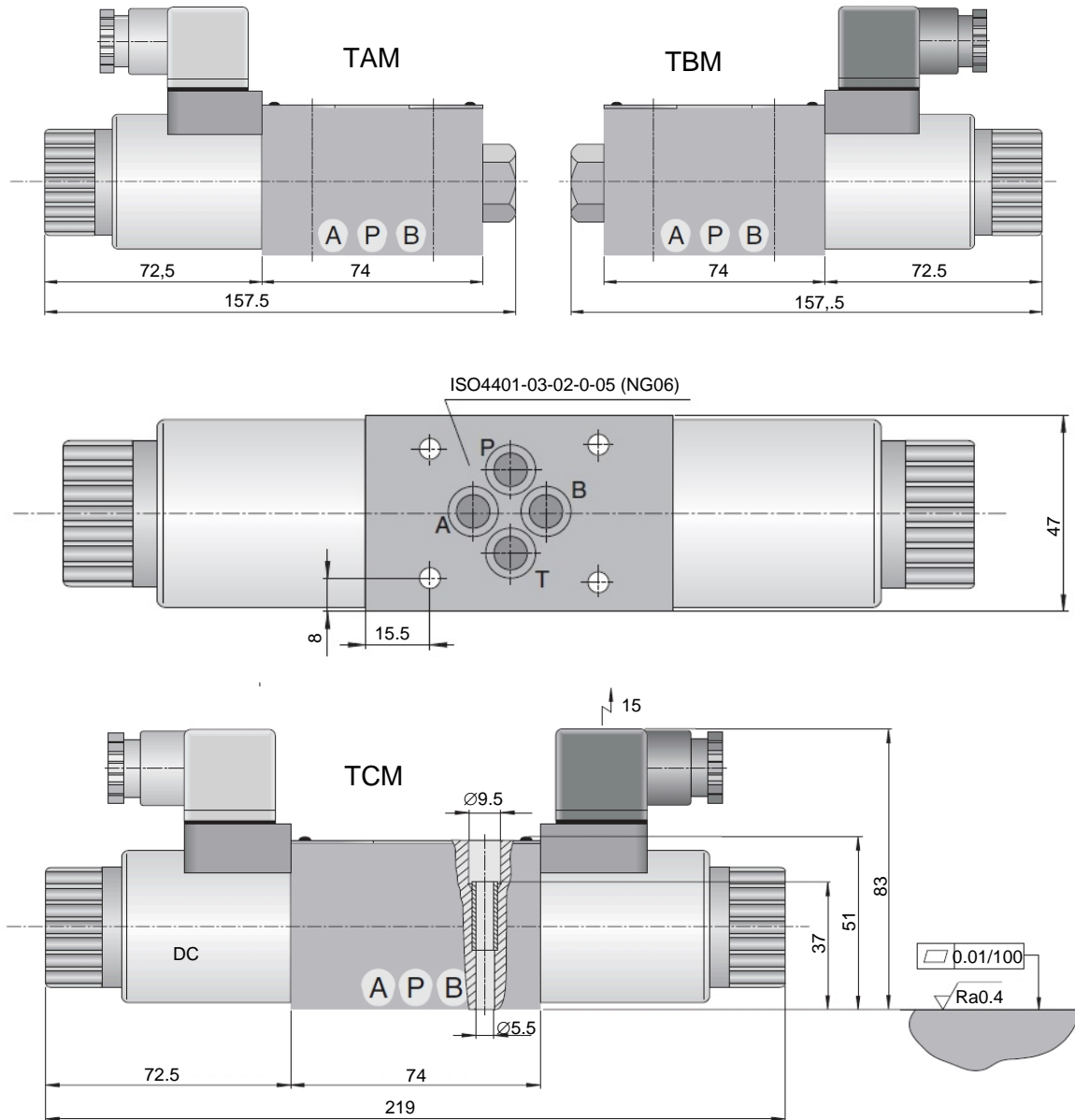
measured at +40 °C temperature of hydraulic fluid, viscosity 46 mm²/s, tolerance ±5 %

symbol	flow				
	P→A	P→B	A→T	B→T	P→T
230	5	5	5	5	
330	5	5	5	5	
310	6	6	6	6	3
210	6	6	6	6	3
280	3	3	7	7	
380	3	3	7	7	
270	1	1	2	2	3
370	1	1	2	2	3
220	5	5	4	4	



Dimensions and connections

Dimensions are given in mm.



4 O-rings 8.7 x 1.78 are included in the delivery. Recommended are screws of property class 10.9 (7+2 Nm), others on request.

Order information

Type code

TAM	210	PC06	P
		size	electrical data
		switching symbols	
type			

type

TAM	solenoid on side A
TBM	solenoid on side B
TCM	2 solenoids

switching symbols

	TAM	overlap	TBM	overlap		TCM	overlap
210					220		
220					310		
230					330		
270					370		
280					380		

electrical data

N	12 V (DC) 30 W
P	24 V (DC) 30 W

HAWE Hydraulik SE

Einsteinring 17 | 85609 Aschheim/München | Postfach 11 55 | 85605 Aschheim |
Germany Tel +49 89 379100-1000 | Fax +49 89 379100-91000 | info@hawe.de | www.hawe.com