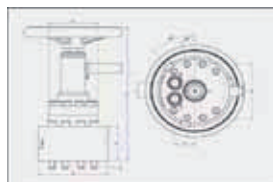


Stop Valve AV 10 to 100



TECHNICAL DATA

Series AV 10-100 stop valves are operated by a handwheel. They were specially developed for water hydraulics. The stop valves can shut off the fluid flow from A to B. The stop valves are sealed by pressing two metal cones against one another. The max. working pressure must not exceed 320 bar.



Characteristics	
Nominal bore	DN10 - DN100
Connections	A / B
max. operating pressure	320 bar
max. allowed flow rate	refer table
Medium (1)	Water, HFA, HFB, HFC, Mineral oil
Type	Face mounting
Flow direction	A → B
Mounting position	any
Filtration	100µm
Ambient temperature	max. 45°C
Medium temperature	max. 50°C
Part number	refer table
Sub-plate	refer table

(1) other pressure media on request

	Flow rate
DN10	60 l/min
DN12	90 l/min
DN16	120 l/min
DN20	180 l/min
DN25	300 l/min
DN32	450 l/min
DN40	790 l/min
DN50	1400 l/min
DN65	2000 l/min
DN80	3400 l/min
DN100	5000 l/min

	A	B	a	b	c	d	e ± 0.1	f ± 0.1	g	s
DN 10	Ø10	Ø6	Ø85	Ø65			22	20	73	M6x120
DN 12	Ø12	Ø7	Ø85	Ø59			22	20	73	M6x120
DN 16	Ø16	Ø10	Ø100	Ø70			26	20	86	M8x130
DN 20	Ø20	Ø13	Ø120	Ø84			30	25	104	M10x150
DN 25	Ø25	Ø15	Ø130	Ø90			34	28	110	M10x160
DN 32	Ø32	Ø18	Ø140	Ø100	307	74	40	35	120	M12x180
DN 40	Ø40	Ø25	Ø176	Ø119			53	40	145	M16x200
DN 50	Ø50	Ø28	Ø196	Ø142			61	42	168	M16x255
DN 65	Ø65	Ø36	Ø240	Ø170			71.5	56	205	M20x265
DN 80	Ø80	Ø45	Ø294	Ø214			87	76	255	M24x320
DN 100	Ø100	Ø57	Ø370	Ø265			116	90	320	M24x320

* fully open / Δp = approx. 5 bar