




LINEAR VALVES + ACTUATORS

SELECTION GUIDE




			Force [N]	800	600	1000	1500	2200	900
			Stroke [mm]	52	30	60	60	60	30
			Running time [s]	15-60*	15-60*	15-60*	15-60*	60	15-300*
			Actuator series	ALB	ALF				ALH
ACTUATORS									
Supply voltage	3-point	Proportional							
24 VAC	●	●	22050100						
24 V AC/DC	●	●		22201100	22201200	22201300	22201400		
230 VAC	●	●		22200100	22200200	22200300	22200400		
Safety function 24 VAC Spring return; Up ↑	●	●							↑ 22220100
Safety function 24 VAC Spring return; Down ↓	●	●							↓ 22221100

2-WAY VALVES												
PN [bar]	T [°C]	Series	Art. No.	DN	Kvs [m ³ /h]	Stroke [mm]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]
6	-20 ... +120		21000100	15	1.6	20	600	600	600			600
			21000200	15	2.5	20	600	600	600			600
			21000300	15	4.0	20	600	600	600			600
			21000400	20	6.3	20	600	600	600			600
			21000500	25	10	20	600	600	600			600
			21000600	32	16	20	600	600	600			600
			21000700	40	25	20	570	570	600			600
			21000800	50	38	20	390	270	450			400
16	-20 ... +130		21200100	15	1.6	20	1600	1200	1600	1600		1600
			21200200	15	2.5	20	1600	1200	1600	1600		1600
			21200300	15	4.0	20	1600	1200	1600	1600		1600
			21200400	20	6.3	20	1400	970	1550	1600		1400
			21200500	25	10	20	1100	760	1250	1600		1120
			21200600	32	16	20	800	550	900	1330		810
			21200700	40	25	20	570	390	640	950		580
			21200800	50	38	20	390	270	450	660		400
16	-10 ... +150		21220100	65	63	25	180		310	480	710	180
			21220200	80	100	45	110		200	310	460	
			21220300	100	130	45	70		120	190	280	
			21220400	125	200	45	40		70	120	180	
			21220500	150	300	45	30		50	80	120	
16	-20 ... +130		21201700	25	10	20	1600	1320	1600	1600		1600
			21201800	32	16	20	1600	1320	1600	1600		1600
			21201900	40	25	20	1600	1320	1600	1600		1600
			21202000	50	38	20	1600	1320	1600	1600		1600
16	-20 ... +130		21150100	15	1.6	20	1600	1200	1600	1600		1600
			21150200	15	2.5	20	1600	1200	1600	1600		1600
			21150300	15	4.0	20	1600	1200	1600	1600		1600
			21150400	20	6.3	20	1400	970	1550	1600		1400
			21150500	25	10	20	1100	760	1250	1600		1120
			21150600	32	16	20	800	550	900	1330		810
			21150700	40	25	20	570	390	640	950		580
			21150800	50	38	20	390	270	450	660		400
16	-20 ... +130		21151700	25	10	20	1600	1320	1600	1600		1600
			21151800	32	16	20	1600	1320	1600	1600		1600
			21151900	40	25	20	1600	1320	1600	1600		1600
			21152000	50	38	20	1600	1320	1600	1600		1600




Δp max: Closing pressure. For further information about maximum pressure drop limits where cavitation might occur, see diagrams for each specific type of valve.
* See data sheet for further information.

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SELECTION GUIDE

			Force [N]	800	600	1000	1500	2200	900
			Stroke [mm]	52	30	60	60	60	30
			Running time [s]	15-60*	15-60*	15-60*	15-60*	60	15-300*
			Actuator series	ALB	ALF				ALH
ACTUATORS									
Supply voltage	3-point	Proportional							
24 VAC	●	●	22050100						
24 V AC/DC	●	●		22201100	22201200	22201300	22201400		
230 VAC	●	●		22200100	22200200	22200300	22200400		
Safety function 24 VAC Spring return; Up ↑	●	●							↑ 22220100
Safety function 24 VAC Spring return; Down ↓	●	●							↓ 22221100

2-WAY VALVES




PN [bar]	T [°C]	Series	Art. No.	DN	Kvs [m³/h]	Stroke [mm]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	
16	-20 ... +150		VLE122	21250100	15	0.25	20	1600	1200	1600	1600	1600	1600
			21250200	15	0.4	20	1600	1200	1600	1600	1600	1600	1600
			21250300	15	0.63	20	1600	1200	1600	1600	1600	1600	1600
			21250400	15	1.0	20	1600	1200	1600	1600	1600	1600	1600
			21250500	15	1.6	20	1600	1200	1600	1600	1600	1600	1600
			21250600	15	2.5	20	1600	1200	1600	1600	1600	1600	1600
			21250700	15	4.0	20	1600	1200	1600	1600	1600	1600	1600
			21250800	20	6.3	20	1400	970	1550	1600		1400	
			21250900	25	10	20	1100	760	1250	1600		1120	
			21251000	32	16	20	800	550	900	1330		810	
21251100	40	25	20	570	390	640	950		580				
21251200	50	38	20	390	270	450	660		400				
16	-20 ... +150		VLE222	21252100	25	10	20	1600	1320	1600	1600	1600	1600
			21252200	32	16	20	1600	1320	1600	1600	1600	1600	1600
			21252300	40	25	20	1600	1320	1600	1600	1600	1600	1600
			21252400	50	38	20	1600	1320	1600	1600	1600	1600	1600
16	-20 ... +130		VLE325	21400100	20	0.63	20	1600	1200	1600	1600	1600	1600
			21400200	20	1.0	20	1600	1200	1600	1600	1600	1600	1600
			21400300	20	1.6	20	1600	1200	1600	1600	1600	1600	1600
			21400400	20	2.5	20	1600	1200	1600	1600	1600	1600	1600
			21400500	20	4.0	20	1600	1200	1600	1600	1600	1600	1600
			21400600	25	1.0	20	1600	1200	1600	1600	1600	1600	1600
			21400700	25	1.6	20	1600	1200	1600	1600	1600	1600	1600
			21400800	25	2.5	20	1600	1200	1600	1600	1600	1600	1600
			21400900	25	4.0	20	1600	1200	1600	1600	1600	1600	1600
			21401000	32	1.6	20	1600	1200	1600	1600	1600	1600	1600
			21401100	32	2.5	20	1600	1200	1600	1600	1600	1600	1600
			21401200	32	4.0	20	1600	1200	1600	1600	1600	1600	1600
			21401600	32	6.3	20	1600	1200	1600	1600	1600	1600	1600
			21401300	40	1.6	20	1600	1200	1600	1600	1600	1600	1600
			21401400	40	2.5	20	1600	1200	1600	1600	1600	1600	1600
21401500	40	4.0	20	1600	1200	1600	1600	1600	1600	1600			
21401700	40	6.3	20	1400	970	1550	1600		1400				

Δp max: Closing pressure. For further information about maximum pressure drop limits where cavitation might occur, see diagrams for each specific type of valve.





* See data sheet for further information.

LINEAR VALVES + ACTUATORS

SELECTION GUIDE

			Force [N]	800	600	1000	1500	2200	900
			Stroke [mm]	52	30	60	60	60	30
			Running time [s]	15-60*	15-60*	15-60*	15-60*	60	15-300*
			Actuator series	ALB	ALF				ALH
ACTUATORS									
Supply voltage	3-point	Proportional							
24 V AC	●	●	22050100						
24 V AC/DC	●	●		22201100	22201200	22201300	22201400		
230 V AC	●	●		22200100	22200200	22200300	22200400		
Safety function 24 V AC Spring return; Up ↑	●	●							↑ 22220100
Safety function 24 V AC Spring return; Down ↓	●	●							↓ 22221100




2-WAY VALVES

PN [bar]	T [°C]	Series	Art. No.	DN	Kvs [m³/h]	Stroke [mm]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]
25	-20 ... +150		VLC125	21300100	15	0.25	20	1780	1240	2030	2500	1840
			21300200	15	0.4	20	1780	1240	2030	2500	1840	
			21300300	15	0.63	20	1780	1240	2030	2500	1840	
			21300400	15	1.0	20	1780	1240	2030	2500	1840	
			21300500	15	1.6	20	1780	1240	2030	2500	1840	
			21300600	15	2.5	20	1780	1240	2030	2500	1840	
			21300700	15	4.0	20	1780	1240	2030	2500	1840	
			21300800	20	6.3	20	1410	970	1590	2360	1430	
			21301700	25	1.6	20	1080	760	1250	1860	1120	
			21301800	25	2.5	20	1080	760	1250	1860	1120	
			21301900	25	4.0	20	1080	760	1250	1860	1120	
			21302000	25	6.3	20	1080	760	1250	1860	1120	
			21300900	25	10	20	1080	760	1250	1860	1120	
			21301000	32	16	20	790	550	900	1330	810	
			21302100	40	1.6	20	560	390	640	950	580	
			21302200	40	2.5	20	560	390	640	950	580	
			21302300	40	4.0	20	560	390	640	950	580	
			21302400	40	6.3	20	560	390	640	950	580	
			21302500	40	10	20	560	390	640	950	580	
			21302600	40	16	20	560	390	640	950	580	
21301100	40	25	20	560	390	640	950	580				
21301200	50	38	20	380	270	440	660	400				
25	-20 ... +150		VLC225	21301300	25	10	20	2100	1470	2430	2500	2200
			21301400	32	16	20	2100	1470	2430	2500	2200	
			21301500	40	25	20	2100	1470	2430	2500	2200	
			21301600	50	38	20	2100	1470	2430	2500	2200	
25	-20 ... +180		VLC325	21350100	15	0.25	20	1780	1240	2030	2500	1840
			21350200	15	0.4	20	1780	1240	2030	2500	1840	
			21350300	15	0.63	20	1780	1240	2030	2500	1840	
			21350400	15	1.0	20	1780	1240	2030	2500	1840	
			21350500	15	1.6	20	1780	1240	2030	2500	1840	
			21350600	15	2.5	20	1780	1240	2030	2500	1840	
			21350700	15	4.0	20	1780	1240	2030	2500	1840	
			21350800	20	6.3	20	1410	970	1590	2360	1430	
			21350900	25	10	20	1080	760	1250	1860	1120	
			21351000	32	16	20	790	550	900	1330	810	
			21351100	40	25	20	560	390	640	950	580	
			21351200	50	38	20	380	270	440	660	400	
25	-20 ... +180		VLC425	21351300	25	10	20	2100	1470	2430	2500	2200
			21351400	32	16	20	2100	1470	2430	2500	2200	
			21351500	40	25	20	2100	1470	2430	2500	2200	
			21351600	50	38	20	2100	1470	2430	2500	2200	






Δp max: Closing pressure. For further information about maximum pressure drop limits where cavitation might occur, see diagrams for each specific type of valve.
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SELECTION GUIDE

			Force [N]	800	600	1000	1500	2200	900
			Stroke [mm]	52	30	60	60	60	30
			Running time [s]	15-60*	15-60*	15-60*	15-60*	60	15-300*
			Actuator series	ALB	ALF				ALH
ACTUATORS									
Supply voltage	3-point	Proportional							
24 V AC	●	●	22050100						
24 V AC/DC	●	●		22201100	22201200	22201300	22201400		
230 V AC	●	●		22200100	22200200	22200300	22200400		
Safety function 24 V AC Spring return; Up ↑	●	●							↑ 22220100
Safety function 24 V AC Spring return; Down ↓	●	●							↓ 22221100

3-WAY VALVES

PN [bar]	T [°C]	Series	Art. No.	DN	Kvs [m³/h]	Stroke [mm]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	Δp max [kPa]	
6	-20 ... +120		VLF135	21000900	15	1.6	20	600	600	600			600
				21001000	15	2.5	20	600	600	600			600
				21001100	15	4.0	20	600	600	600			600
				21001200	20	6.3	20	600	600	600			600
				21001300	25	10	20	600	600	600			600
				21001400	32	16	20	600	600	600			600
				21001500	40	25	20	570	570	600			600
				21001600	50	38	20	390	270	450			400
16	-20 ... +130		VLA335	21200900	15	1.6	20	1600	1200	1600	1600		1600
				21201000	15	2.5	20	1600	1200	1600	1600		1600
				21201100	15	4.0	20	1600	1200	1600	1600		1600
				21201200	20	6.3	20	1400	970	1550	1600		1400
				21201300	25	10	20	1100	760	1250	1600		1120
				21201400	32	16	20	800	550	900	1330		810
				21201500	40	25	20	570	390	640	950		580
				21201600	50	38	20	390	270	450	660		400
16	-10 ... +150		VLB335	21221100	65	63	25	180		310	480	710	180
				21221200	80	100	45	110		200	310	460	
				21221300	100	130	45	70		120	190	280	
				21221400	125	200	45	40		70	120	180	
				21221500	150	300	45	30		50	80	120	
16	-20 ... +130		VLA131	21150900	15	1.6	20	1600	1200	1600	1600		1600
				21151000	15	2.5	20	1600	1200	1600	1600		1600
				21151100	15	4.0	20	1600	1200	1600	1600		1600
				21151200	20	6.3	20	1400	970	1550	1600		1400
				21151300	25	10	20	1100	760	1250	1600		1120
				21151400	32	16	20	800	550	900	1330		810
				21151500	40	25	20	570	390	640	950		580
				21151600	50	38	20	390	270	450	660		400
16	-20 ... +150		VLE132	21251300	15	1.6	20	1600	1200	1600	1600		1600
				21251400	15	2.5	20	1600	1200	1600	1600		1600
				21251500	15	4.0	20	1600	1200	1600	1600		1600
				21251600	20	6.3	20	1400	970	1550	1600		1400
				21251700	25	10	20	1100	760	1250	1600		1120
				21251800	32	16	20	800	550	900	1330		810
				21251900	40	25	20	570	390	640	950		580
				21252000	50	38	20	390	270	450	660		400

Δp max: Closing pressure. For further information about maximum pressure drop limits where cavitation might occur, see diagrams for each specific type of valve.

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