

PN6, PN16/10, PN16

AVP pneumatic actuators. Flanged valves and valves with male thread.



Model series	AVP	AVP
Type	242	242
Version	FO01	FO01
Control pressure/bar	0...1.2	0...1.2
Stroke/mm	8	8
Air consumption/l _n	0.8	0.8
Control span/bar	0.6	0.6
Diaphragm area/cm ²	180	180
Max. pressure/bar	1.5	1.5

Flanged valve of grey cast iron, PN6, equal-percentage (F3..) or linear (F2..) characteristic

	Type	DN	K _{vs} (m ³ /h)	Δp _{max} (bar)
Through -10...150 °C	VUD015F320	15	1.6	6
	VUD015F310	15	2.5	6
	VUD015F300	15	4	6
	VUD020F300	20	6.3	6
	VUD025F300	25	10	6
	VUD032F300	32	16	6
	VUD040F300	40	22	4
	VUD050F300	50	28	2.5
	VUD050F200	50	40	2.5
	3-way -10...150 °C	BUD015F320	15	1.6
BUD015F310		15	2.5	6
BUD015F300		15	4	6
BUD020F300		20	6.3	6
BUD025F300		25	10	6
BUD032F300		32	16	6
BUD040F300		40	22	4
BUD050F300		50	28	2.5
BUD050F200		50	40	2.5

Flanged valve of grey cast iron, PN16/10, equal-percentage (F300) or linear (F200) characteristic

	Type	DN	K _{vs} (m ³ /h)	Δp _{max} (bar)
Through -10...150 °C	VUE015F350	15	0.4	10
	VUE015F340	15	0.63	10
	VUE015F330	15	1	10
	VUE015F320	15	1.6	10
	VUE015F310	15	2.5	10
	VUE015F300	15	4	10
	VUE020F300	20	6.3	10
	VUE025F300	25	10	10
	VUE032F300	32	16	6.5
	VUE040F300	40	22	4
3-way -10...150 °C	BUE015F330	15	1	10
	BUE015F320	15	1.6	10
	BUE015F310	15	2.5	10
	BUE015F300	15	4	10
	BUE020F300	20	6.3	10
	BUE025F300	25	10	10
	BUE032F300	32	16	6
	BUE040F300	40	22	4
	BUE050F300	50	28	2.5
	BUE050F200	50	40	2.5

Valve with male thread, of cast brass, PN16, equal-percentage (F3..) or linear (F2..) characteristic

	Type	DN	Connection	K _{vs} (m ³ /h)	Δp _{max} (bar)
Through -15...150 °C	VUN015F350	15	G 1B	0.4	10
	VUN015F340	15	G 1B	0.63	10
	VUN015F330	15	G 1B	1	10
	VUN015F320	15	G 1B	1.6	10
	VUN015F310	15	G 1B	2.5	10
	VUN015F300	15	G 1B	4	10
	VUN020F300	20	G 1¼B	6.3	10
	VUN025F300	25	G 1½B	10	10
	VUN032F300	32	G 2B	16	6.5
	VUN040F300	40	G 2¼B	22	4
3-way -15...150 °C	VUN050F300	50	G 2¾B	28	2.5
	VUN050F200	50	G 2¾B	40	2.5
	BUN015F330	15	G 1B	1	10
	BUN015F320	15	G 1B	1.6	10
	BUN015F310	15	G 1B	2.5	10
	BUN015F300	15	G 1B	4	10
	BUN020F300	20	G 1¼B	6.3	10
	BUN025F300	25	G 1½B	10	10
	BUN032F300	32	G 2B	16	6
	BUN040F300	40	G 2¼B	22	4
	BUN050F300	50	G 2¾B	28	2.5
	BUN050F200	50	G 2¾B	40	2.5

Main accessories for valves and actuators

Type	Description
0372336180	Adaptor (required for media > 130 °C, for >DN65)
0372336240	Adaptor (required for media > 180 °C, for >DN65)
0378284100	Stuffing box heater, 230 V, 15 W for media below 0 °C
0378284102	Stuffing box heater, 24 V, 15 W for media below 0 °C
XSP31	Pneumatic positioner
XAP 1	Pneumatic position transmitter with auxiliary contacts unit
XAP 2	Pneumatic position transmitter with potentiometer unit
e/p transducer without electric pre-amplifier	
XEP 1 FO01	Input 2...10 V, output 0.2...1.0 bar, 19 ln/h
XEP 1 FO02	Input 4...20 mA, output 0.2...1.0 bar, 19 ln/h
XEP 10 FO01	Input 2...10 V, output 0.2...1.0 bar, 400 ln/h
XEP 10 FO02	Input 4...20 mA, output 0.2...1.0 bar, 400 ln/h
e/p transducer with electric pre-amplifier	
XEP 110 FO01	Input 2...10 V, output 0.2...1.0 bar, 400 ln/h
XEP 110 FO11	Input 0...10 V, output 0.2...1.0 bar, 400 ln/h
e/p transducer with electric pre-amplifier and additional p/e transducer	
XEP 301 FO01	Input/output 2...10 V, output/input 0.2...1.0 bar, 16 ln/h
XEP 301 FO11	Input/output 0...10 V, output/input 0.2...1.0 bar, 16 ln/h

PN6, PN16/10, PN25/16

AVP pneumatic actuators. Flanged valves.



Model series	AVP				
	242	243		244	
Type	F021	F021	F031	F021	F031
Version	F021	F021	F031	F021	F031
Control pressure/bar	0...1.2	0...1.2	0...1.2	0...1.2	0...1.2
Stroke/mm	20	20	40	20	40
Air consumption/l _n	0.8	2.2	2.2	4.2	4.2
Control span/bar	0.6	0.6	0.6	0.6	0.6
Diaphragm area/cm ²	180	250	250	500	500
Max. pressure/bar	1.5	1.5	1.5	1.5	1.5

Flanged valves of grey cast iron. PN6. equal-percentage (F300) or linear (F200) characteristic

	Type	DN	Flange	K _{vs} (m ³ /h)	ΔP _{max} (bar)				
					1.5	2.5	-	3	-
Through valve -10...150 °C	VUD065F300 / F200	65	PN6	49 / 63	1.5	2.5	-	3	-
	VUD080F300 / F200	80	PN6	78 / 100	1	1.5	-	3	-
	VUD100F300 / F200	100	PN6	124 / 160	-	-	1	-	2
3-way valve -10...150 °C	BUD065F300 / F200	65	PN6	49 / 63	1	2.3	-	3	-
	BUD080F300 / F200	80	PN6	78 / 100	1	1.5	-	3	-
	BUD100F300 / F200	100	PN6	124 / 160	-	-	1	-	2

Flanged valves of grey cast iron. PN16/10. equal-percentage (F300) or linear (F200) characteristic

	Type	DN	Flange	K _{vs} (m ³ /h)	ΔP _{max} (bar)				
					1.5	2.3	-	3	-
Through valve -10...150 °C	VUE065F300 / F200	65	PN16/10	49 / 63	1.5	2.3	-	3	-
	VUE080F300 / F200	80	PN16/10	78 / 100	1	1.5	-	3	-
	VUE100F300 / F200	100	PN16/10	125 / 160	-	-	1	-	2
	VUE125F300 / F200	125	PN16/10	200 / 240	-	-	0.6	-	1.2
	VUE150F300 / F200	150	PN16/10	300 / 320	-	-	0.4	-	1
3-way valve -10...150 °C	BUE065F300 / F200	65	PN16/10	49 / 63	1.2	2	-	3	-
	BUE080F300 / F200	80	PN16/10	78 / 100	0.8	1.3	-	3	-
	BUE100F300 / F200	100	PN16/10	125 / 160	-	-	1	-	2
	BUE125F300 / F200	125	PN16/10	200 / 240	-	-	0.6	-	1.2
	BUE150F300 / F200	150	PN16/10	300 / 320	-	-	0.4	-	1

Flanged valves of ductile cast iron. PN25/16. equal-percentage characteristic (F3..)

	Type	DN	Flange	K _{vs} (m ³ /h)	ΔP _{max} (bar)				
					16	16	-	16	-
Through valve -20...240 °C	VUG015F374	15	PN25/16	0.16	16	16	-	16	-
	VUG015F364	15	PN25/16	0.25	16	16	-	16	-
	VUG015F354	15	PN25/16	0.4	16	16	-	16	-
	VUG015F344	15	PN25/16	0.63	16	16	-	16	-
	VUG015F334	15	PN25/16	1	16	16	-	16	-
	VUG015F324	15	PN25/16	1.6	16	16	-	16	-
	VUG015F314	15	PN25/16	2.5	16	16	-	16	-
	VUG015F304	15	PN25/16	4	16	16	-	16	-
	VUG020F304	20	PN25/16	6.3	13	16	-	16	-
	VUG025F304	25	PN25/16	10	8.8	12.2	-	16	-
	VUG032F304	32	PN25/16	16	5.5	7.8	-	15.5	-
	VUG040F304	40	PN25/16	25	3.7	5.2	-	10.3	-
	VUG050F304	50	PN25/16	40	2.5	3.3	-	6.6	-
	VUG065F316	65	PN16	63	-	-	2.2	-	4.4
	VUG065F304	65	PN25	63	-	-	2.2	-	4.4
	VUG080F304	80	PN25/16	100	-	-	1.5	-	3
VUG100F304	100	PN25	160	-	-	1	-	2	
VUG125F304	125	PN25	250	-	-	0.7	-	1.3	
VUG150F304	150	PN25	340	-	-	0.5	-	1	
3-way valve -20...240 °C	BUG015F334	15	PN25/16	1	16	16	-	16	-
	BUG015F324	15	PN25/16	1.6	16	16	-	16	-
	BUG015F314	15	PN25/16	2.5	16	16	-	16	-
	BUG015F304	15	PN25/16	4	16	16	-	16	-
	BUG020F304	20	PN25/16	6.3	10	16	-	16	-
	BUG025F304	25	PN25/16	10	6.5	11.9	-	16	-
	BUG032F304	32	PN25/16	16	4	7.4	-	15.5	-
	BUG040F304	40	PN25/16	25	2.6	4.2	-	10.3	-
	BUG050F304	50	PN25/16	40	1.7	3.1	-	6.5	-

PN25/16, PN40, PN25

AVP pneumatic actuators. Flanged valves.



Model series	AVP				
	242	243		244	
Type	F021	F021	F031	F021	F031
Version	0...1.2	0...1.2	0...1.2	0...1.2	0...1.2
Control pressure/bar	20	20	40	20	40
Stroke/mm	0.8	2.2	2.2	4.2	4.2
Air consumption/l _n	0.6	0.6	0.6	0.6	0.6
Control span/bar	180	250	250	500	500
Diaphragm area/cm ²	1.5	1.5	1.5	1.5	1.5
Max. pressure/bar					

Flanged valves of ductile cast iron. PN25/16. equal-percentage characteristic (continued)

Type	DN	Flange	K _{vs} (m ³ /h)	Δp _{max} (bar)	
BUG065F316	65	PN16	63	–	4.4
BUG065F304	65	PN25	63	–	4.4
BUG080F304	80	PN25/16	100	–	3
BUG100F304	100	PN25	160	–	2
BUG125F304	125	PN25	250	–	1.3
BUG150F304	150	PN25	340	–	1

Flanged valves of cast steel. PN40. equal-percentage (F3..) or linear (F2..) characteristic

Type	DN	Flange	K _{vs} (m ³ /h)	Δp _{max} (bar)					
Through –10...260 °C	VUS015F374	15	PN40	0.16	15.5	21.7	–	40	–
	VUS015F364	15	PN40	0.25	15.5	21.7	–	40	–
	VUS015F354	15	PN40	0.4	15.5	21.7	–	40	–
	VUS015F344	15	PN40	0.63	15.5	21.7	–	40	–
	VUS015F335	15	PN40	1	15.5	21.7	–	40	–
	VUS015F325	15	PN40	1.6	15.5	21.7	–	40	–
	VUS015F315	15	PN40	2.5	15.5	21.7	–	40	–
	VUS015F305	15	PN40	4	15.5	21.7	–	40	–
	VUS020F305	20	PN40	6.3	15.5	21.7	–	40	–
	VUS025F305	25	PN40	10	9.5	13.1	–	26.2	–
	VUS032F305	32	PN40	16	7.2	10	–	19.9	–
	VUS040F305	40	PN40	25	4.1	5.7	–	11.4	–
	VUS050F305	50	PN40	40	2.7	3.7	–	7.4	–
	VUS065F305	65	PN40	63	–	–	2.2	–	4.4
	VUS080F305	80	PN40	100	–	–	1.5	–	2.9
	VUS100F305	100	PN40	160	–	–	1	–	1.5
	VUS125F305	125	PN40	220	–	–	0.6	–	1
	VUS150F305	150	PN40	320	–	–	0.4	–	0.6
	3-way –10...260 °C	BUS015F225	15	PN40	1.6	12.1	21.1	–	24.5
BUS015F215		15	PN40	2.5	12.1	21.1	–	24.5	–
BUS015F205		15	PN40	4	12.1	21.1	–	24.5	–
BUS020F205		20	PN40	6.3	7.7	13.5	–	17.5	–
BUS025F205		25	PN40	10	6.6	11.6	–	14.7	–
BUS032F205		32	PN40	16	4.7	8.3	–	10.4	–
BUS040F205		40	PN40	25	3	5.3	–	6.2	–
BUS050F205		50	PN40	40	1.9	3.4	–	3.9	–
BUS065F205		65	PN40	63	–	–	1.7	–	4.4
BUS080F205		80	PN40	100	–	–	1.1	–	2.9
BUS100F205		100	PN40	160	–	–	0.7	–	1.9
BUS125F304		125	PN40	220	–	–	0.4	–	1.3
BUS150F304		150	PN40	320	–	–	0.3	–	1

Flanged valves of ductile cast iron. PN25. pressure-compensated. equal-percentage characteristic

Type	DN	Flange	K _{vs} (m ³ /h)	Δp _{max} (bar)				
Through –20...200 °C	VUPO40F304	40	PN25	25	22.2	–	–	
	VUPO50F304	50	PN25	40	15.1	–	–	
	VUPO65F304	65	PN25	63	15.1	–	–	
	VUPO80F304	80	PN25	100	9.8	–	–	
	VUP100F304	100	PN25	160	–	–	18.5	25
	VUP125F304	125	PN25	250	–	–	10.7	25
	VUP150F304	150	PN25	350	–	–	10.7	25