

Series variation

Speed controller

● Applicable to ø2.5 to ø450 cylinders

Values in () are for low speed, fine speed, low flow rate or fine flow rate types.

Model/outline	Model No.	Port size (Rc or R)												Compatible tube O.D.						Effective cross-sectional area (mm ²)		Flow rate (ℓ/min) ANR Pressure 0.5 MPa		Cylinder bore size (mm) reference	Page
		M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	ø3.2	ø4	ø6	ø8	ø10	ø12	Free flow	Controlled flow	Free flow	Controlled flow			
	DSC-C-M5-3	●											●						1.3	0.9(0.3)	87	60(20)	ø6 to ø25	694	
	DSC-C-M5-4	●												●					1.5	0.9(0.3)(0.1)	100	60(20)(6.7)	ø6 to ø25		
	DSC-C-M5-6	●													●				1.5	0.9(0.3)(0.1)	100	60(20)(6.7)	ø6 to ø25		
	DSC-(C)-6-4			●										●					3.2	2.4(0.9)(0.2)	210	160(60)(13)	ø15 to ø32		
	DSC-(C)-6-6			●											●				4	3(0.9)(0.2)	270	200(60)(13)	ø15 to ø32		
	DSC-(C)-6-8			●												●			4	3(0.9)(0.2)	270	200(60)(13)	ø15 to ø32		
	DSC-8-6				●										●				7	5(2)	470	320(130)	ø20 to ø50		
	DSC-8-8				●											●			8	6(2)	530	400(130)	ø20 to ø50		
	DSC-8-10				●												●		8	6(2)	530	400(130)	ø20 to ø50		
	DSC-10-6					●										●			10	6(4)	670	400(270)	ø32 to ø75		
	DSC-10-8					●											●		15	10.5(4)	1000	700(270)	ø32 to ø75		
	DSC-10-10					●											●		16	12(4)	1070	800(270)	ø32 to ø75		
	DSC-10-12					●												●	16	12(4)	1070	800(270)	ø32 to ø75		
	DSC-15-10						●											●	22	17(6)	1470	1120(400)	ø40 to ø100		
	DSC-15-12						●											●	24	17.5(6)	1600	1200(400)	ø40 to ø100		
	DSC-S-06-H44													●					2.5	2.4(0.9)(0.2)	170	160(60)(13)	ø15 to ø32	702	
	DSC-S-06-H66														●				4.5	3(0.9)(0.2)	300	200(60)(13)	ø15 to ø32		
	DSC-S-08-H66															●			6	5(2)	400	360(130)	ø20 to ø50		
	DSC-S-08-H88																●		8	6(2)	550	400(130)	ø20 to ø50		
	DSC-S-10-H88																	●	13.5	10.5(4)	900	710(270)	ø32 to ø75		
	DSC-S-10-H1010																	●	16.5	12(4)	1100	780(270)	ø32 to ø75		
	DSC-S-10-H1212																	●	18	12(4)	1200	780(270)	ø32 to ø75		
	DVL-S-06-H44-020													●					2.5	0.15	170	18	ø6 to ø40	708	
	DVL-S-06-H66-020														●				4.5	0.15	300	18	ø6 to ø40		
	DVL-S-06-H44-080													●					2.5	1.2	170	80	ø6 to ø40		
	DVL-S-06-H66-080														●				4.5	1.2	300	80	ø6 to ø40		
	DVL-S-06-H66-160															●			4.5	2.5	300	160	ø6 to ø40		
	DVL-S-08-H66-240																●		6	3.6	400	240	ø20 to ø50		
	DVL-S-08-H88-240																	●	8	3.6	550	240	ø20 to ø50		
	DVL-S-10-H88-400																		13.5	6.6	900	440	ø32 to ø75		
	DVL-S-10-H1010-400																		16.5	6.6	1100	440	ø32 to ø75		
	DVL-S-10-H1212-400																		18	6.6	1200	440	ø32 to ø75		
	DVL-N-06-H44-020													●					0.15		18		—	708	
	DVL-N-06-H66-020														●				0.15		18		—		
	DVL-N-06-H44-080													●					1.2		80		—		
	DVL-N-06-H66-080														●				1.2		80		—		
	DVL-N-06-H66-160															●			2.4		160		—		
	DVL-N-08-H66-240																●		3.6		240		—		
	DVL-N-08-H88-240																	●	3.6		240		—		
	DVL-N-10-H88-400																		6.6		440		—		
	DVL-N-10-H1010-400																			6.6		440			—
	DVL-N-10-H1212-400																			6.6		440			—

Values in () indicate low speed.

Model/outline	Model No.	Port size (Rc or R)												Compatible tube O.D.						Effective cross-sectional area (mm ²)		Flow rate (ℓ/min) ANR Pressure 0.5 MPa		Cylinder bore size (mm) reference	Page
		M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	ø3.2	ø4	ø6	ø8	ø10	ø12	Free flow	Controlled flow	Free flow	Controlled flow			
● Elbow with push-in fitting 	SC3W-M3-3	●											●						0.4(0.3)	0.3(0.08)	27(20)	20(5.9)	ø4 to ø8	716	
	SC3W-M3-4	●												●					0.4(0.3)	0.3(0.08)	27(20)	20(5.9)	ø4 to ø8		
	SC3W-M5-3	●	●										●						1.3(1.2)	1.2(0.1)	87(80)	80(6.7)	ø6 to ø25		
	SC3W-M5-4		●											●					1.3(1.2)	1.2(0.1)	87(80)	80(6.7)	ø6 to ø25		
	SC3W-M5-6		●												●				1.3(1.2)	1.2(0.1)	87(80)	80(6.7)	ø6 to ø25		
	SC3W-6-4			●										●					3.2(3.2)	2.8(0.2)	210(210)	190(13)	ø15 to ø32		
	SC3W-6-6			●											●				4.0(4.0)	3.6(0.2)	270(270)	240(13)	ø15 to ø32		
	SC3W-6-8			●												●			4	3.6	270	240	ø15 to ø32		
	SC3W-8-6				●										●				7	6.5	470	430	ø20 to ø50		
	SC3W-8-8				●											●			7.5	7	500	470	ø20 to ø50		
	SC3W-8-10				●												●		8	7	530	470	ø20 to ø50		
	SC3W-10-6					●									●				10	10	650	650	ø32 to ø75		
	SC3W-10-8					●										●			15	14	1000	930	ø32 to ø75		
	SC3W-10-10					●											●		16	15	1100	1000	ø32 to ø75		
	SC3W-10-12					●											●		16	15	1100	1000	ø32 to ø75		
	SC3W-15-10						●										●		22	22	1500	1500	ø40 to ø100		
	SC3W-15-12						●										●		24	24	1600	1600	ø40 to ø100		
● Universal with push-in fitting 	SC3U-M3-3	●											●						0.45(0.35)	0.5(0.08)	31(24)	34(5.4)	ø4 to ø8	720	
	SC3U-M3-4	●												●					0.45(0.35)	0.5(0.08)	31(24)	34(5.4)	ø4 to ø8		
	SC3U-M5-3		●										●						1.4(1.4)	1.4(0.14)	95(95)	95(9.5)	ø6 to ø25		
	SC3U-M5-4		●											●					1.4(1.4)	1.4(0.14)	95(95)	95(9.5)	ø6 to ø25		
	SC3U-M5-6		●												●				1.6(1.4)	1.4(0.14)	105(95)	95(9.5)	ø6 to ø25		
	SC3U-6-4			●										●					3.2(3.2)	2.8(0.25)	215(215)	190(17)	ø15 to ø32		
	SC3U-6-6			●											●				4(3.7)	3.8(0.25)	270(245)	260(17)	ø15 to ø32		
	SC3U-6-8			●												●			4	3.8	270	260	ø15 to ø32		
	SC3U-8-6				●										●				7	6.5	475	440	ø20 to ø50		
	SC3U-8-8				●											●			7.5	7	510	475	ø20 to ø50		
	SC3U-8-10				●												●		8	7	540	475	ø20 to ø50		
	SC3U-10-8					●										●			14.5	14	985	950	ø32 to ø75		
	SC3U-10-10					●											●		16	17	1090	1150	ø32 to ø75		
	SC3U-10-12					●											●		16	18	1090	1220	ø32 to ø75		
	SC3U-15-10						●										●		22	22	1500	1500	ø40 to ø100		
	SC3U-15-12						●										●		24	24	1630	1630	ø40 to ø100		

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

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Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma) Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Values in () are for low speed or fine speed types.

Model/outline	Model No.	Port size (Rc or R)												Compatible tube O.D.						Effective cross-sectional area (mm ²)		Flow rate (ℓ/min) ANR 0.5 MPa		Cylinder bore size (mm) reference	Page
		M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	ø1.8	ø3.2	ø4	ø6	ø8	ø10	ø12	Free flow	Controlled flow	Free flow	Controlled flow		
● Line type with push-in fitting 	SCL2-04-H22												●							(0.2)	(0.15)	(13)	(10)	ø4 to ø25	726
	SCL2-04-H42												●	●						(0.2)	(0.15)	(13)	(10)	ø4 to ø25	
	SCL2-04-H24												●	●						(0.2)	(0.15)	(13)	(10)	ø4 to ø25	
	SCL2-04-H44													●						1.9	1.9(0.2)	130	130(13)	ø4 to ø25	
	SCL2-06-H66														●					4.5	4.5(0.2)	300	130(13)	ø6 to ø40	
	SCL2-08-H66														●					6	6	400	400	ø20 to ø50	
	SCL2-08-H88															●				8	8	550	550	ø20 to ø50	
	SCL2-10-H88																●			13.5	13.5	900	900	ø32 to ø75	
	SCL2-10-H1010																	●		16.5	16.5	1100	1100	ø32 to ø75	
	SCL2-10-H1212																		●	18	18	1200	1200	ø32 to ø75	
● In/out line type with push-in fitting 	SCD2-04-H22												●							-	(0.15)	-	(10)	ø4 to ø25	726
	SCD2-04-H42												●	●						-	(0.15)	-	(10)	ø4 to ø25	
	SCD2-04-H44													●						-	1.5(0.2)	-	100(13)	ø4 to ø25	
	SCD2-06-H66														●					-	3.7(0.2)	-	250(13)	ø6 to ø40	
	SCD2-08-H66														●					-	5	-	330	ø20 to ø50	
	SCD2-08-H88															●				-	6	-	400	ø20 to ø50	
	SCD2-10-H88																●			-	11	-	750	ø32 to ø75	
	SCD2-10-H1010																	●		-	12.5	-	850	ø32 to ø75	
	SCD2-10-H1212																		●	-	13	-	900	ø32 to ø75	
● Needle valve 	SCL2-N-04-H44-010													●						-	0.2	-	13	-	730
	SCL2-N-04-H44-050													●						-	0.7	-	50	-	
	SCL2-N-06-H66-010														●					-	0.2	-	13	-	
	SCL2-N-06-H66-050														●					-	0.7	-	50	-	
	SCL2-N-06-H66-150														●					-	2.2	-	150	-	
	SCL2-N-08-H66-300														●					-	4.5	-	300	-	
	SCL2-N-08-H88-300															●				-	4.5	-	300	-	

Values in () are for low speed or fine speed types.

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		M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	ø3.2	ø4	ø6	ø8	ø10	ø12	Free flow	Controlled flow	Free flow	Controlled flow			
● Stainless steel anti-corrosion 	SC3P-M5-4	●											●					0.9	1.1	55	70	ø6 to ø25	736		
	SC3P-M5-6	●												●				0.9	1.1	55	70	ø6 to ø25			
	SC3P-6-4			●									●					3	2.3	200	150	ø15 to ø32			
	SC3P-6-6			●										●				3	2.3	200	150	ø15 to ø32			
	SC3P-6-8			●											●			3.5	2.3	230	150	ø15 to ø32			
	SC3P-8-6				●									●				5.9	4	390	270	ø20 to ø50			
	SC3P-8-8				●										●			6	4	400	270	ø20 to ø50			
	SC3P-8-10				●											●		6	4	400	270	ø20 to ø50			
	SC3P-10-6					●								●				9	8	600	550	ø32 to ø75			
	SC3P-10-8					●									●			12	12.8	800	850	ø32 to ø75			
	SC3P-10-10					●										●		12	14	800	920	ø32 to ø75			
	SC3P-10-12					●										●		12.5	14	840	920	ø32 to ø75			
	SC3P-15-8						●								●			17	16.5	1140	1100	ø40 to ø100			
	SC3P-15-10						●									●		21	22	1380	1450	ø40 to ø100			
	SC3P-15-12						●										●	21	24	1380	1600	ø40 to ø100			
● Direct port/ elbow 	SC3R-M5	●																1.2	0.7	80	47	ø6 to ø16	740		
	SC3R-6			●														4.0	3.6	270	240	ø15 to ø32			
	SC3R-8				●													7.5	7	500	470	ø20 to ø50			
	SC3R-10					●												16	15	1100	1100	ø32 to ø75			
	SC3R-15						●											24	24	1600	1600	ø40 to ø110			
● Miniature speed controller 	SC-M3	●																0.3	0.25	20	16	ø2.5 to ø10	742		
	SC-M5		●															0.8	0.7(0.1)	53	47(6.7)	ø6 to ø25			
● Miniature meter-in meter-out speed controller 	SCD-M3	●																0.2		13		ø4 to ø8	744		
	SCD-M5		●															0.55(0.1)		37(6.7)		ø6 to ø25			
● Medium bore size Rc1/8 to Rc1/2 	SC1-6			●														11	8	730	530	ø20 to ø50	748		
	SC1-8				●													14	13	930	870	ø32 to ø75			
	SC1-10					●												39	22	2600	1500	ø50 to ø140			
	SC1-15						●											43	36	2900	2400	ø80 to ø160			
● Large bore size Rc3/4 to Rc2 	SC-20A							●										155	125	10300	8300	ø100 to ø200	750		
	SC-25A								●									260	280	17400	18700	ø140 to ø250			
	SC-32A									●								1000	1000	68000	68000	ø300 to ø450			
	SC-40A										●							1000	1000	68000	68000	ø300 to ø450			
	SC-50A											●						1500	1400	97000	91000	ø450 to			
● Outdoor Series Medium bore size Rc1/4 to Rc1/2 	SC1-8-W				●													14	13	930	870	ø32 to ø75	752		
	SC1-10-W					●												39	22	2600	1500	ø50 to ø140			
	SC1-15-W						●											43	36	2900	2400	ø80 to ø160			

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