Quick-release couplings Series 5000

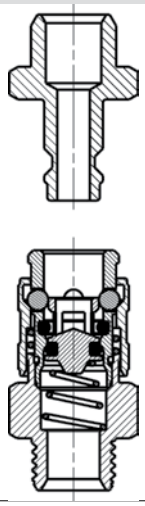
Nominal diameter ø 5 and 7 mm - Plastic tubes 6/4, 8/6, 10/8
Rubber hoses 6x14, 8x17, 10x19, 13x23
Connections G1/8, G1/4, G3/8, G1/2

Quick-release couplings (G1/8, G1/4, G3/8 and G1/2) have been designed to cater for all those situations where, for plant engineering or safety reasons, the tubing in a plant must be frequently connected or disconnected. Quick-release couplings allow these operations to be performed without having to release the pressure and therefore save a considerable amount of time.

The third digit in the code (5 or 8) indicates the orifice and hence the size as well. Models which have the same third digit can be coupled together.

GENERAL DATA

Valve group	quick release valve
Construction	poppet type
Mounting	threaded
Thread	GAS cylindrical ISO 228 (BSP)
Materials	OT58 nickel-plated (hardened galvanized steel for couplings with 8 as third digit in the code) - NBR seals springs and spheres in stainless steel
Connections	1/8" GAS - 1/4" GAS - 3/8" GAS - 1/2" GAS - for plastic tubing and rubber hose
Installation	according to requirements
Operating temperature	0°C ÷ 80°C (using dry air -20°C)
Operating pressure	- 0,99 ÷ 12 bar
Nominal pressure	6 bar
Nominal flow	see graph
Nominal diameter	5 or 7 mm
Fluid	compressed air and other fluids on low pressure



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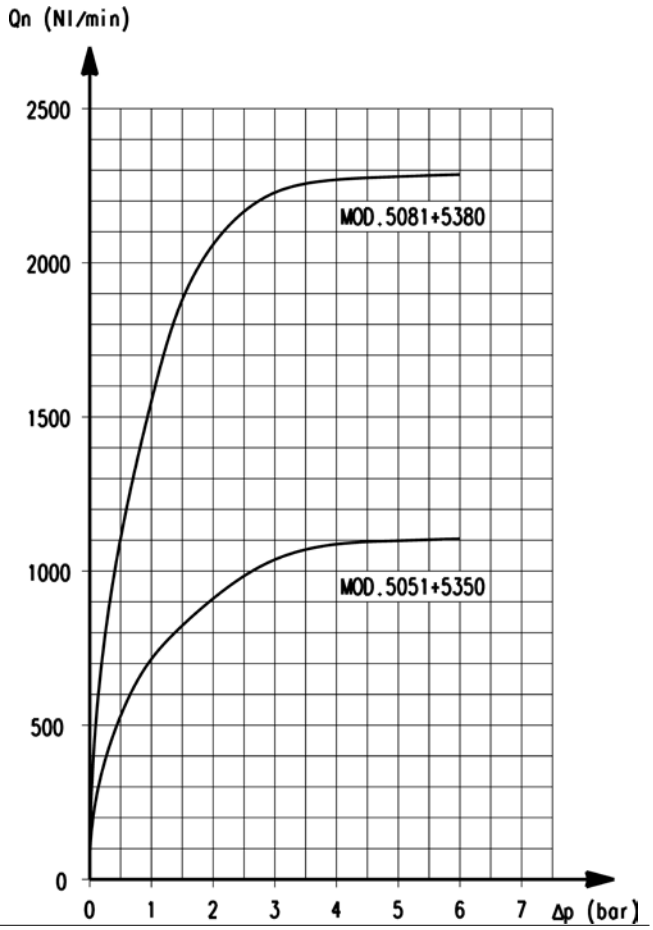
Flow rate diagram

Quick-release couplings:
the following graph is intended to give an indication as to which model to use in relation to the operating pressure and required flow rate. The measurements were taken using the models indicated below and represent the ideal maximum flow rate conditions. If tubes of inferior quality are used, allowances must be made for poorer performance.



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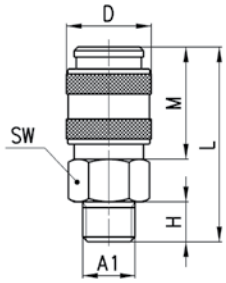
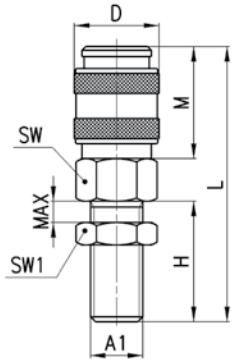
Fittings Mod. 5051 and Mod. 5081



DIMENSIONS

Mod.	A1	Ø	D	H	L	M	SW	Weight (g)
5051 1/8	G1/8	5	17	6	35	20.5	14	28
5051 1/4	G1/4	5	17	8	37	20.5	17	37
5081 1/4	G1/4	7	25	8	47,5	34,5	22	93
5081 3/8	G3/8	7	25	9	48,5	34,5	22	92
5081 1/2	G1/2	7	25	10	49,5	34,5	24	107

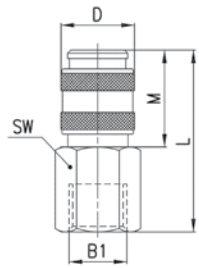
Fittings Mod. 5052 and Mod. 5082



DIMENSIONS

Mod.	A1	Ø	D	H	L	M	max	SW	SW1	Weight (g)
5052 1/8	G1/8	5	17	23	52	20.5	12	14	14	38
5052 1/4	G1/4	5	17	24	53	20.5	12	17	17	52
5082 1/4	G1/4	7	25	24	63,5	34,5	12	22	17	103

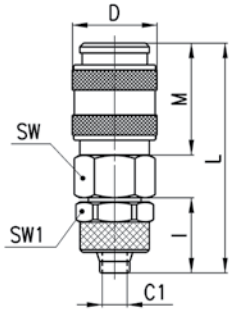
Fittings Mod. 5053 and Mod. 5083



DIMENSIONS

Mod.	B1	Ø	D	L	M	SW	Weight (g)
5053 1/8	G1/8	5	17	37,5	20,5	14	33
5053 1/4	G1/4	5	17	39,5	20,5	17	44
5083 1/4	G1/4	7	25	47,5	34,5	17	88
5083 3/8	G3/8	7	25	49	34,5	20	93
5083 1/2	G1/2	7	25	53	34,5	24	103

Fittings Mod. 5054 and Mod. 5084



DIMENSIONS

Mod.	Tube	Ø	C1	D	I	L	M	SW	SW1	Weight (g)
5054 6/4	6/4	5	3	17	15	44	20.5	14	12	36
5054 8/6	8/6	5	5	17	15	44	20.5	14	14	38
5084 8/6	8/6	7	5	25	15	54,5	34,5	22	14	99
5084 10/8	10/8	7	6,5	25	16,5	56	34,5	22	16	103

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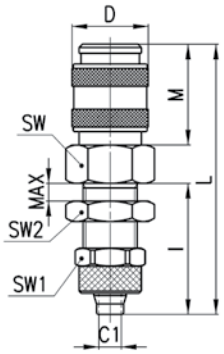
Fittings Mod. 5055

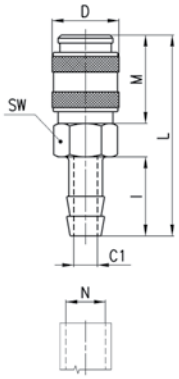


DIMENSIONS

Mod.	Tube	Ø	C1	D	I	L	M	Max	SW	SW1	SW2	Weight (g)
5055 6/4	6/4	5	3	17	29	58	20.5	10	14	12	14	44
5055 8/6	8/6	5	5	17	29	58	20.5	11	17	14	17	52

Fittings Mod. 5056 and Mod. 5086

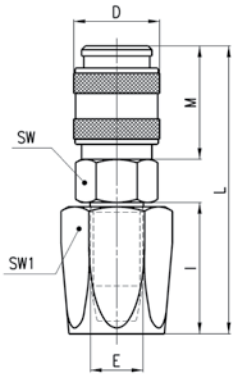
Dimension “N” = tube internal diameter



DIMENSIONS

Mod.	N	Ø	C1	D	I	L	M	SW	Weight (g)
5056 06	6	5	3	17	20	49	20.5	14	30
5056 09	9	5	5	17	20	49	20.5	14	32
5086 09	9	7	5	25	20	59,5	34,5	22	95
5086 12	12	7	8	25	20	59,5	34,5	22	96

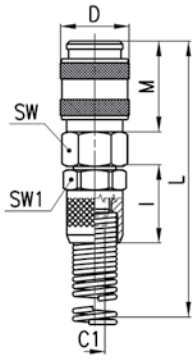
Fittings Mod. 5057 and Mod. 5087



DIMENSIONS

Mod.	Tube	Ø	E	D	I	L	M	SW	SW1	Weight (g)
5057 6x14	6 x 14	5	9	17	25	54.5	20.5	17	17	62
5087 6x14	6 x 14	7	9	25	25	64,5	34,5	22	17	117
5087 8x17	8 x 17	7	10	25	25	64,5	34,5	22	19	123
5087 10x19	10 x 19	7	12	25	27	66,5	34,5	22	22	141
5087 13x23	13 x 23	7	15	25	37	76,5	34,5	22	27	195

Fittings Mod. 5058 and Mod. 5088



DIMENSIONS

Mod.	Tube	Ø	C1	D	I	M	L	SW	SW1	Weight (g)
5058 6/4	6/4	5	3	17	19	20.5	120.5	14	14	48
5058 8/6	8/6	5	5	17	19	20.5	124.5	14	14	54
5088 8/6	8/6	7	5	25	19	34,5	135	22	14	118
5088 10/8	10/8	7	6,5	25	21,5	34,5	139,5	22	16	125

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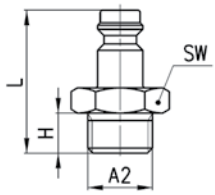
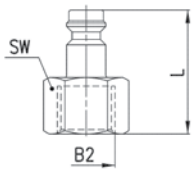
Fittings Mod. 5150 and Mod. 5180



DIMENSIONS

Mod.	A2	Ø	H	L	SW	Weight (g)
5150 1/8	G1/8	5	6	26	13	12
5150 1/4	G1/4	5	8	28.5	17	19
5180 1/4	G1/4	7	8	33	17	21
5180 3/8	G3/8	7	9	34	19	26
5180 1/2	G1/2	7	10	35,5	24	34

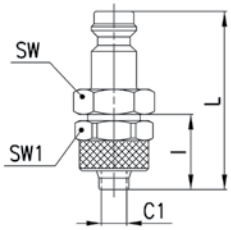
Fittings Mod. 5350 and Mod. 5380



DIMENSIONS

Mod.	B2	Ø	L	SW	Weight (g)
5350 1/8	G1/8	5	25,5	13	14
5350 1/4	G1/4	5	27,5	17	18
5380 1/4	G1/4	7	31,5	17	21
5380 3/8	G3/8	7	32,5	19	23
5380 1/2	G1/2	7	36,5	24	37

Fittings Mod. 5450 and Mod. 5480

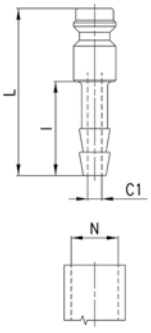


DIMENSIONS

Mod.	Tube	Ø	C1	I	L	SW	SW1	Weight (g)
5450 6/4	6/4	5	3	15	35	12	12	17
5450 8/6	8/6	5	5	15	35	13	14	22
5480 8/6	8/6	7	5	15	39,5	14	14	25
5480 10/8	10/8	7	6,5	16,5	41,5	17	16	33

Fittings Mod. 5650 and Mod. 5680

Dimension “N” = tube internal diameter



DIMENSIONS

Mod.	N	Ø	C1	I	L	Weight (g)
5650 06	6	5	3	20	35.5	8
5650 09	9	5	5	20	35.5	11
5680 06	6	7	3	20	40	14
5680 09	9	7	5	20	40	15
5680 12	12	7	7	20	40	19

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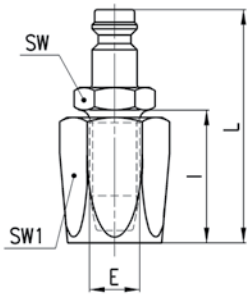
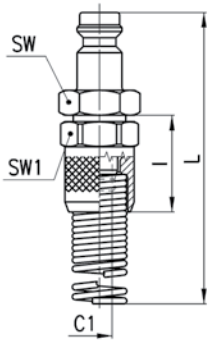
Fittings Mod. 5750 and Mod. 5780



DIMENSIONS

Mod.	Tube	Ø	E	I	L	SW	SW1	Weight (g)
5750 6x14	6 X 14	5	9	25	45	14	17	40
5780 6x14	6 X 14	7	9	25	50	14	17	44
5780 8x17	8 X 17	7	10	25	50	14	19	50
5780 13x23	13 X 23	7	15	37	62	19	27	123

Fittings Mod. 5850 and Mod. 5880



DIMENSIONS

Mod.	Tube	Ø	C1	I	L	SW	SW1	Weight (g)
5850 6/4	6/4	5	3	19	111,5	12	12	27
5850 8/6	8/6	5	5	19	116	14	14	40
5880 8/6	8/6	7	5	19	120	14	14	44
5880 10/8	10/8	7	6,5	21,5	125	17	16	55

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