

# Selection guide

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- *Hoses and Fittings*
  - *Air Treatment*
  - *Accessories*



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- *Hoses and Fittings*
  - *Air Treatment*
  - *Accessoires*

## Editorial

KREMLIN REXSON are delighted to present the product selection guide for Hoses and Fittings, Air Treatment and Accessories.

KREMLIN REXSON received the ISO 9001 certification accredited by LRQA for the design and manufacture of its range of paint application equipment. All equipment are ATEX compliant.

An energetic Research and Development policy has given KREMLIN REXSON the ability to provide the best solutions for most applications in the metal, wood, plastic and automotive markets leading to significant reductions in VOC emissions.

KREMLIN REXSON products are designed with two objectives :

- to continuously innovate equipment to meet the needs of all new coating systems arriving in the market (water-based, high-

solids, etc)

- to reduce operating costs whilst meeting new environmental concerns.

The quality of KREMLIN REXSON equipment is recognized worldwide, a statement which is borne out by the fact that 75% of its sales are exported. This powerful international presence allows KREMLIN REXSON to quickly respond to emerging market needs by developing innovative new equipment.

Our new interactive product selection guide will help you to select, the best, the right equipment and use it to its highest potential.

Please do not hesitate to contact your local distributor or a KREMLIN REXSON technical advisor.

They are there to help you find the best solution for all your needs.

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# Summary



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# PRACTICAL PAGES

## To optimize

- For the best pump capacity, first work out the output you are going to require. This will include the sprayguns themselves, and any circulation you plan to have within this system. Once you have this figure, multiply by 1.2, and then choose the pump of which output at 30 cycles per minute is the nearest.
- The compression ratio you will need is defined by the pressure losses due to the length and diameter of the hosing of your system. To calculate these pressure losses, see page 4.

## Example

let say you want to feed 3 conventional guns with an output of 500 cc/mn each, plus a circulation of 0,5 l/mn. The total output will thus be 2 l/mn. The optimal pump capacity would be:  $(2\ 000 \times 1,2) \div 30 = 80$  cc/cycle. The best-suited pumps will be:

- the PMP 150 (output of 100 cc/cycle and pressure ratio of 1:1) for low viscosity materials and a small circulating (pressure loss < 3 bar).
- the 02.75 (output of 85 cc/cycle and pressure ratio of 2:1) for thicker materials and a normal circulating (pressure loss < 6 bar).
- the 04.120 (output of 240 cc/cycle and pressure ratio 4:1) for large pressure loss in circulating (up to 15 bar).

## Pump Material Feeding

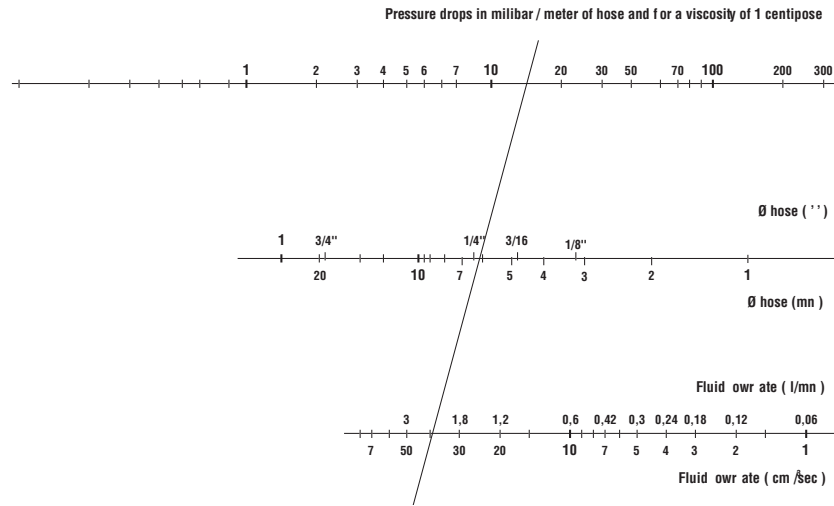
To guarantee the right delivery of product, we offer the following range of equipment for various product viscosity:

- 0 - 300 cps
  - suction rod.
- 300 to 8 000 cps
  - top outlet pressure pots,
  - pumps (gravity or suction rod),
  - pump with base intake valve.
- 8 000 to 15 000 cps
  - bottom outlet pressure pots,
  - pumps with suction rods,
  - compressor.
- 15 000 to 30 000 cps
  - no more pressure pot,
  - no more suction rod,
  - submerged hydraulic pump,
  - compressor,
  - pump with single action elevator.
- 30 000 à 1 000 000 cps and +
  - pumps with peak feeder and double action elevator.

## Filtration equivalence

Mesh (number of holes in 25,4 mm)	Micron	N° filtre (mesh opening in µm)
10	1480	–
16	975	–
20	750	30
25	630	25
30	500	20
40	375	–
45	360	15
50	300	12
60	238	–
70	210	8
80	175	6
100	149	–
140	100	4
170	90	3
200	74	–
250	60	–
270	50	2
325	40	1
400	35	–

## Pressure loss in fluid hoses



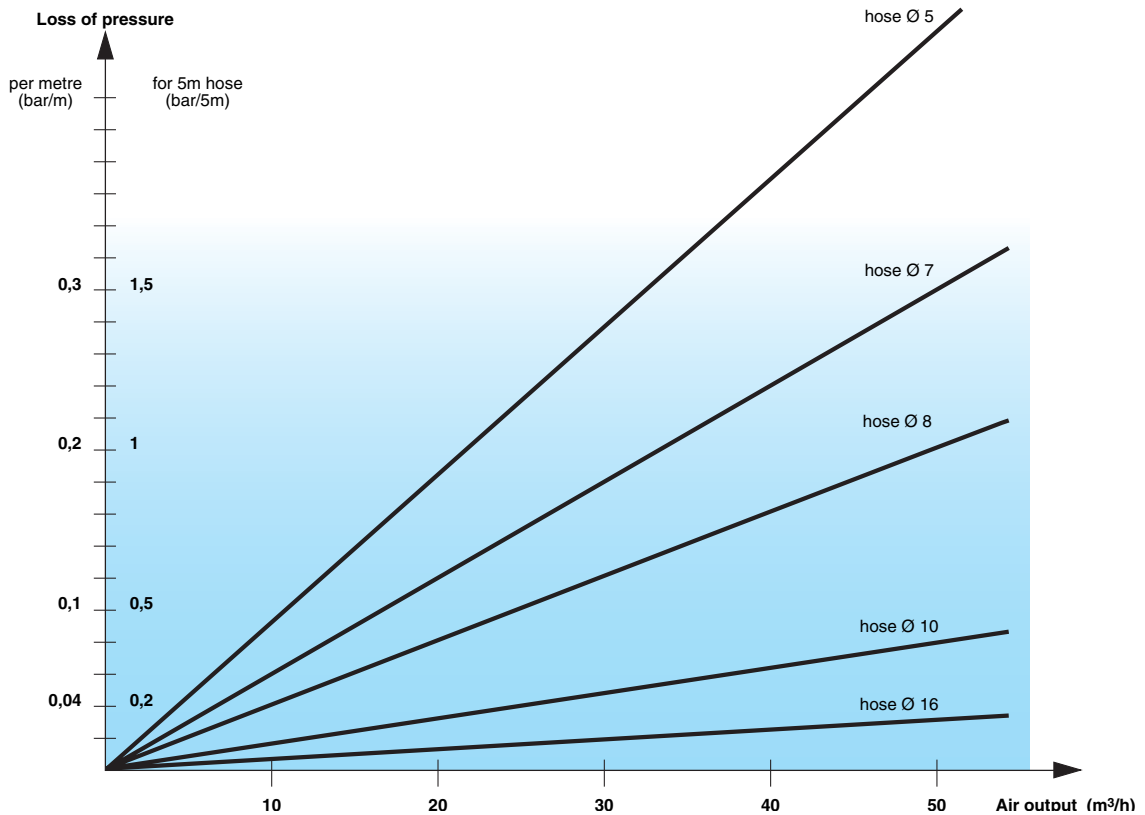
For product of different viscosities, multiply the pressure loss by the viscosity in Cps.

**Use :**

Look up the paint output on the lower scale. Look up the hose diameter on the middle scale. Join these two points together, extend the line and read the pressure loss on the upper scale. Finally, adjust this figure for the correct viscosity to determine the pressure loss in millibars per meter of hose.

**Example :**

AIRLESS tip of 30  
 Output : 2,4l  
 Ø hose 1/4"  
 Pressure loss 13 millibar/m  
 Fluid of 30 centipoises = 13 x 30 = 390



## Correspondence between accepted measures of viscosity

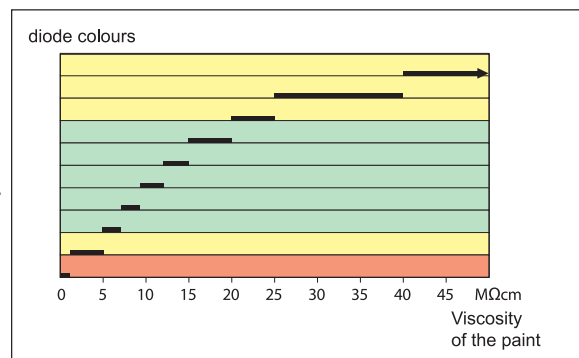
Viscosity is very susceptible to changes in temperature. It should be measured at the same temperature as that which will be prevalent during the application.

AFNOR 4 (CA4)	ISO 4	mPas.s	Centipoises	Ford 4 (CF4)	DIN 4 (D°)	LCH (Fr)	ZAHN (n°2)
12	—	20	20	10	11	6	18
14	17	25	25	12	12	7	19
16	23	30	30	14	14	—	20
20	34	40	40	18	16	8	22
25	51	50	50	22	20	9	24
29	60	60	60	25	23	10	27
32	68	70	70	28	25	—	30
34	74	80	80	30	26	11	34
37	82	90	90	33	28	12	37
40	93	100	100	35	30	13	41
45	—	120	120	40	34	14	49
50	—	140	140	44	38	15	58
56	—	160	160	50	42	16	66
61	—	180	180	54	45	17	74
66	—	200	200	58	49	18	82
70	—	220	220	62	52	19	—

## Electrostatic spraying : suitability of the equipment depending on the resistivity of the paints.

- the wrap-around affect is optimized with paints of resistivity range of 5 - 50 MΩ.cm..
- Specific hoses allows for wrap-around effects for resistivity range higher than 2MΩcm.
- For water-based materials (0 MΩ.cm), a special ISObubble enclosure allows to benefit from all the advantages of electrostatic spraying in complete safety.

On the Kremlin resistivometer, resistivity can be read directly on the display.



# PRACTICAL PAGES

Table showing the effect of temperature on fluid viscosity  
- solvent-based paints

		temperatures (°C)																				
		2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°	
v i s c o s i t y		27	26	24	23	22	21	21	20	19	18	18	17	17	16	15	15	14	14	14	14	
		33	31	29	27	26	25	23	22	21	20	19	18	18	17	16	16	15	15	14	14	
		39	36	34	32	30	28	26	24	23	22	21	20	19	18	17	17	16	15	15	14	
		46	42	39	36	34	31	29	27	26	24	23	22	21	19	18	17	17	16	15	15	
		54	49	45	41	38	35	32	30	28	26	24	23	21	20	19	18	17	17	16	15	
		58	51	47	43	40	36	33	31	29	27	25	23	21	20	20	19	18	17	16	16	
		61	55	50	46	42	38	35	32	30	28	26	24	22	21	20	19	18	17	16	16	
		69	63	56	52	46	42	39	35	32	30	28	25	24	23	21	20	19	18	17	16	
	i n s e c o n d s		77	69	62	55	50	46	41	38	35	32	29	27	25	24	22	21	19	18	17	16
			84	74	67	61	54	50	44	40	36	34	30	28	26	25	23	22	20	18	17	16
		95	84	75	66	60	54	48	44	40	36	33	30	28	26	24	22	20	19	18	17	
		104	92	81	73	65	58	52	46	42	38	35	31	29	27	24	23	21	20	19	18	
C F 4		112	100	88	76	69	62	54	49	44	40	36	32	30	27	25	23	21	20	19	18	
		122	108	90	85	75	66	59	53	47	42	38	35	31	28	26	24	22	21	19	18	
		132	120	102	90	80	70	63	55	50	44	40	36	33	30	27	25	23	22	20	18	
		142	124	108	95	84	74	65	58	52	46	41	37	34	31	27	25	23	22	20	18	
		152	132	119	101	90	80	69	61	54	48	43	38	35	31	28	26	24	23	21	18	
		164	140	123	106	94	83	73	64	56	50	45	40	36	32	29	27	24	23	21	19	

**Example :** For a temperature of 20°C, for a recommended viscosity of 22 s.

You should adapt the viscosity as follows :

- at 12°C, a paint of 28 s,
- at 32°C, a paint of 17 s.



## List showing the compressed air consumption of normal air tools

We generally multiply the instant consumption by a coefficient of 0,5 to 0,9 to allow for the time the tool is not in use.

The average air volume delivered by a compressor of 1 CV is of 8 m<sup>3</sup>/h.

Tool	Consumption	
	l/mn	m <sup>3</sup> /h
Projection equipment	800 at 1 800	48 at 108
Riveter	450 at 1 500	27 at 90
Pneumatic drill	600 at 1 200	36 at 72
Linisher Ø 230	1 200 at 4 000	72 at 240
Drill 13 mm	600	36
Rotating sander	200 at 400	12 à 24

Tool	l/mn	m <sup>3</sup> /h
KREMLIN conventional gun	160 at 500	10 at 30
AIRMIX® gun	67 at 134	4 at 8
KREMLIN pumps	160 at 1 350	10 at 80
Blower	200 at 400	12 at 24
Screwdriver	200 at 400	12 at 24

### Calculate exactly the maximum air consumption of pump in l/mn : Q

The formula is :

$Q = 1,2 \times \text{fluid output} \times \text{pressure ratio} \times (\text{air motor feeding pressure in bar} + 1 \text{ bar for atmosphere})$

Example for a pump 16.120 :  $Q = 1,2 \times 4,8 \times 16 \times (6 + 1) = 645,12 \text{ l/mn}$  or  $(645,12 \times 60) : 1000 = 38,7 \text{ m}^3/\text{h}$

## Conversion of metric units to imperial and vice-versa

Measurement	English unit		Metric unit		relationship			
	Name	Abreviation	Name	Abreviation	English	Metric	Metric	English
Length	inch	in or "	micron	µ	1 in = 25 400 µ	1 µm = 0,03937x10 <sup>-3</sup> in		
	inch	in or "	millimètre	mm	1 in = 25,4 mm	1 mm = 0,03937 in		
	inch	in or "	centimètre	cm	1 in = 2,54 cm	1 cm = 0,3937 in		
	inch	in or "	mètre	m	1 in = 0,0254 m	1 m = 39,37 in		
	foot	ft or '	mètre	m	1 ft = 0,304 m	1 m = 3,2808 ft		
	yard	yd	mètre	m	1 yd = 0,914 m	1 m = 1,0936 yd		
Area	square inch	sq. in	millimètre carré	mm <sup>2</sup>	1 sq. in = 645,16 mm <sup>2</sup>	1 mm <sup>2</sup> = 0,00155 sq. in		
	square inch	sq. in	centimètre carré	cm <sup>2</sup>	1 sq. in = 6,4516 cm <sup>2</sup>	1 cm <sup>2</sup> = 0,155 sq. in		
	square foot	sq. ft	mètre carré	m <sup>2</sup>	1 sq. ft = 0,0929 m <sup>2</sup>	1 m <sup>2</sup> = 10,7639 sq. ft		
Volume	cubic foot	cu. ft	litre/décimètre cube	dm <sup>3</sup>	cu. ft = 28,317 dm <sup>3</sup>	1 l = 0,03531 cu. ft		
	cubic foot	cu. ft	mètre cube	m <sup>3</sup>	cu. ft = 0,0283 m <sup>3</sup>	1 m <sup>3</sup> = 35,314 cu. ft		
	gallon impérial	gal	litre	l	1 gal = 4,546 litres	1 l = 0,2199 gal		
	gallon américain	US gal	litre	l	1 US gal = 3,785 litres	1 l = 0,2642 US gal		
Output	cubic foot per minute	c.f.m.	mètre cube par heure	m <sup>3</sup> /h	1 c.f.m. = 1,699 m <sup>3</sup> /h	1 m <sup>3</sup> /h = 0,5886 c.f.m.		
Weight	pound	lb	gramme	g	1 lb = 453,59 g	1 g = 2,204 x 10 <sup>-3</sup> lb		
	pound	lb	kilogramme	kg	1 lb = 0,454 kg	1 kg = 2,204 lb		
Pressure	pound square inch	p.s.i.	bar	bar	1 p.s.i. = 0,068 bar	1 bar = 14,503 p.s.i.		
Electrical Power	horse power	HP	cheval	ch	1 HP = 1,0139 ch	1 ch = 0,9863 HP		
	horse power	HP	kilowatt	kW	1 HP = 0,7457 kW	1 kW = 1,3411 HP		
Thermal energy	British Thermal Unit	Btu. hr	Kilocalorie par heure	kcal/h	1 Btu. hr = 0,2520 kcal/h	1 kcal/h = 3,968 Btu. hr		
Speed	foot per second	ft/sec	mètre par seconde	m/s	1 ft/sec = 0,304 m/s	1 m/s = 3,2808 ft/sec		
Temperature	degree fahrenheit	°F	degré centigrade	°C	1 °F = (1,8°C) + 32	1°C = (°F - 32) x 0,555		
Heat	British Thermal Unit	Btu.	kilocalorie	kcal	1 Btu. = 0,2520 kcal	1 kcal = 3,968 Btu.		
	British Thermal Unit	Btu.	thermie	th	1 Btu. = 0,252 x 10 <sup>-3</sup> th	1 th = 3968 Btu.		
	British Thermal Unit	Btu.	Joule	J	1 Btu. = 1055 J	1 J = 0,9473 x 10 <sup>-3</sup> Btu.		

## Main everyday solvents

Properties of products	Boiling Temperature (°C)	Flash point (°C) (CF) (1)	Explosive limit in vol. %		Toxicity limit of concentration in the air (2)	
			lower	upper	P.P.M. (3)	mg/m <sup>3</sup>
Amyle acetate	149	25	1,1	7,5	100	525
Butyle acetate	124-126	23	1,7	15	150	710
Dry butyle acetate	112	31 (CO)	1,7	—	200	950
Ethyle acetate	77,1	- 4,4	2,2	11,5	400	1 400
Ethylglycol acetate	156,4	52	1,7	5,8	100	540
Isopropyle acetate	93	4,4	1,8	8	250	950
Methyle acetate	57-58	- 13	3,1	16	200	610
Acetone	56,2	- 18	2,5	12,8	1 000	2 400
Amylic alcohol	137,8	33	1,2	10	—	—
Butylic alcohol	117,5	29	1,4	11,2	100	300
Dry butylic alcohol	99,5	24	1,7	9,8	150	450
Ethylic alcohol	78,5	13	3,3	19	1 000	1 900
Isopropylic alcohol	82,4	12	2	11,8	400	980
Methylic alcohol	65	12	6	36,5	200	260
Benzene	80,1	- 11	1,4	8	25	80
Butylglycol	171743	60	1,1	10,6	50	240
Cyclohexane	81	- 20	1,3	8,3	300	1 050
Cyclohexanol	161	68	1,8	—	50	200
Cyclohexanone	156	44 à 64	1,3	9,4	50	200
Diacetone alcohol	168	54-55	1,8	6,9	50	240
Dioxane 1-4	101	12,2	2	22	100	360
Terebenthine essence	154-170	35	0,8	—	100	560
Special essences	30-210	4	1	6,5	—	—
Ethylglycol	135	40	2,6	15,7	100	370
Methyléthylcetone	79,6	- 6	1,8	11,5	200	590
Methylisobutylcarbinol	130	41	1	5,5	25	100
Methylisobutylcetone	116	16	1,4	7,5	100	410
Methylglycol	125768	46	2,5	14	25	80
Naphta solvent(4)	125-160	23 à 32	0,9	6	100	400
Styrene	146	31	1,1	6,1	100	420
Tetrahydrofuranne	64-66	- 17	2,3	11,8	200	590
Toluene	110,6	4,4	1,3	7	100	375
Trichlorethylene	87	non-flammable	—	—	100	535
White spirit	135-205	30 à 65	1,1	6,5	200	1 150
o-Xylene	144	30	1	6	100	435

(1) CF = closed dish ; CO = open dish.

(2) these values were established by American hygenists corresponding to 7-8 h/day and a 40 h/week.

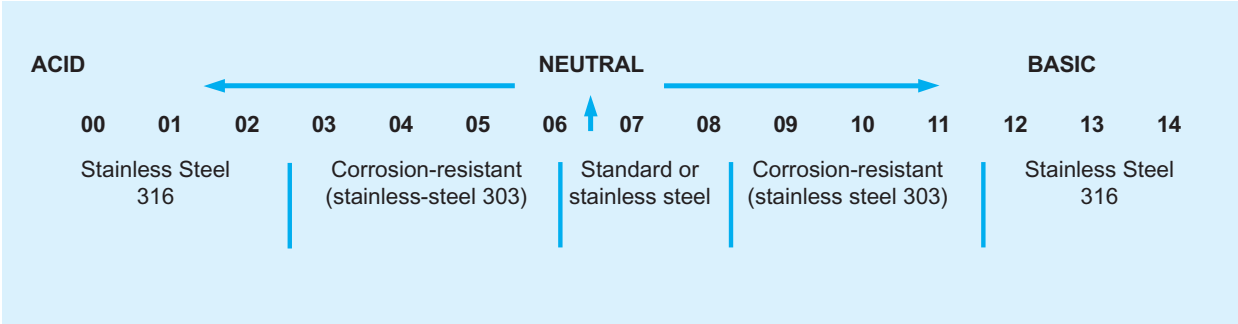
(3) p.p.m. = parts per million, by volume.

(4) Delivered from coal.

(Extract from n°103 INRS brochure.)

# Value of «PH»

The pH value of a liquid or a solution quantifies its concentration of hydrogen ions and tells us the extent to which it is acidic or alkaline. The PH value dictates the best materials to be used in construction of major paint handling and spraying equipment.

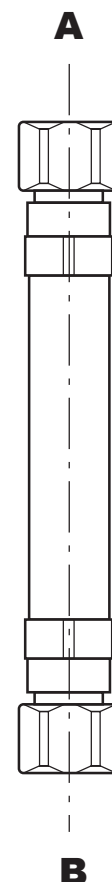


# Conventional and low pressure spraying.

A hose carrying paint must be able to resist all solvents.  
For conventional spraying, Kremlin offers two types of hose:

- Very supple, special paint nitrile rubber, with red casing.
- White polyamide: when the paint is thicker, to reduce pressure losses.

HOSES CONFIGURATION						
Designation	Nitrile rubber			Polyamide <sup>(1)</sup>		
Material	Nitrile rubber			Polyamide <sup>(1)</sup>		
Internal diameter mm	7	10	16	6,35 (1/4")	9,52 (3/8")	
Maximum pressure: bar	10		7	10		
Color	red strip			white strip		
Temperature	up to 60 °C					
P.N. without fitting 5 m	050.362.004	050.361.005	050.363.005	050.370.805	050.370.905	
P.N. without fitting 15 m	050.362.003	050.361.004	050.363.004	050.370.804	050.370.904	
P.N. without fitting 25 m	050.362.001	050.361.001	050.363.001	050.370.801	050.370.901	
P.N. without fitting 100 m	050.362.002	050.361.002	050.363.003	050.370.803	050.370.903	
SK collar	906.311.224	906.311.226	906.311.207	-	-	
Lengths with fittings part number						
A and B fitting (free nut)	1/4" NPS	3/8" NPS		1/4" NPS	3/8" NPS	
1m	050.362.451	-	050.361.108	-	-	-
2 m	-	-	-	-	-	050.370.504
5 m	050.362.101	050.362.603	050.361.105	-	050.370.301	050.370.201
7,5 m	050.362.104	050.362.601	050.361.102	-	-	-



ADAPTATION KIT FOR EQUIPMENT FITTED WITH 14X125 AND 18X125	
Description	Part number
Pack of 2 fittings M1/4"NPS - F14x125	150.123.535
Pack of 2 fittings M3/8"NPS - F18x125	150.123.610

(1) Recommended for glues

# Hose for suction rod

HOSE FOR SUCTION ROD			
Designation	Part number		
Polyethylene hose sleeve	Ø 9.5 mm	Ø 19 mm	Ø 25 mm
5 m cut	050.368.001	050.366.051	050.367.001
15 m cut	050.368.002	050.366.052	-
25 m cut	050.368.003	050.366.053	050.367.003
Grooved conical fitting	050.140.517	050.140.545	050.140.543
Nickeled nut fitting	050.271.303 <sup>(1)</sup>	050.271.502 <sup>(2)</sup>	049.595.306 <sup>(3)</sup>
Wing collar	906.311.234	906.311.207	906.311.204

(1) F 18 x 125  
(2) F 26 x 125  
(3) F 38 x 150

# ● AIRMIX® and AIRLESS spraying

● The hoses should be chosen according to the pressure used in the application and electrical conductivity

## Fluid hoses



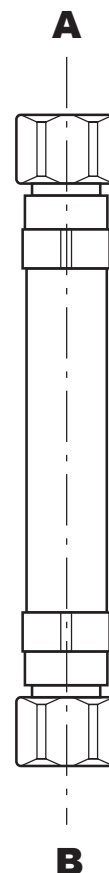
HOSES CONFIGURATION									
Designation Hose	Part number AIRMIX®			High pressure			Part number Very high pressure		
Conductive	NO			YES					
Color	GREY			BLUE			BLACK		
Internal diameter mm	3,2	4,8	6,35	3.2	4,8	6,35	9,52	6,35	9,52
Max. operating pressure bar	120			240			225	450	375
Temperature	up to 100°C								
25 m	050.450.059	050.450.060	050.450.070	-	-	-	050.450.005	-	-
100 m	-	050.450.061	050.450.071	-	-	-	-	-	-
300 m	-	050.450.064	050.450.072	-	-	-	-	-	-
Fitting alone to crimp	-	905.063.304	905.063.305	-	-	-	-	-	-
Fitting alone to screw in	-	905.063.308	905.063.309	-	-	-	905.060.107	-	-
Fitting alone stainless steel to crimp	905.063.359	905.063.354	905.063.355	-	-	-	-	-	-
Fitting alone stainless steel to screw in	905.063.356	905.063.358	905.063.357	-	-	-	-	-	-
Spring for fitting to crimp	-	905.063.361	-	-	-	-	-	-	-
PART NUMBER ACCORDING TO LENGTH WITH FITTINGS per meter									
A and B fittings (free nut)	1/2 JIC			3/4 JIC			1/2 JIC	3/4 JIC	
Treated Stainless Steel Fittings									
		With spring	Without spring	With spring	Without spring	Without spring	Without spring	Without spring	Without spring
0,6 m-1,92ft		050.450.805	050.450.701		050.450.106				
0,8 m-2,56ft			050.450.702		050.450.107				
1 m-3,2ft		050.450.809	050.450.703	050.450.601	050.450.102		050.451.001	050.450.905	
2 m-6,4ft		050.450.806	050.450.704	050.450.602	050.450.109				
3 m-9,6ft		050.450.810	050.450.705	050.450.603	050.450.110			050.450.904	
5 m-16ft		050.450.801	050.450.706	050.450.604	050.450.108		050.451.002	050.450.903	
7,5 m-24ft		050.450.808		050.450.605	050.450.111				
10 m-32ft		050.450.802	050.450.707	050.450.606	050.450.104		050.451.003	050.450.902	
15 m-48ft		050.450.811	050.450.709	050.450.607	050.450.112				
20 m-64ft		050.450.812	050.450.708	050.450.608	050.450.105			050.450.901	
25 m-80ft					050.450.113				
Stainless Steel Fittings									
0,6 m-1,92ft		050.450.851		050.450.651					
1m/3'			050.451.151						
5 m-16ft		050.450.852	050.451.152	050.450.652	050.450.152				
7,5 m-24ft		050.450.853	050.451.153	050.450.653	050.450.153				

# ● Nitrile conductor hoses - green band

To use so that the equipment (gun and pump) have the same potential

HOSES CONFIGURATION				
Designation	Part number			
Internal diameter (mm)	7	8	10	16
Color	Gold	Green	White	Blue
Maximum pressure bar/psi	10/145			
P.N. 5m without fitting	050.382.005	050.389.004	050.381.005	050.383.005
15m	050.382.004	050.389.003	050.381.004	050.383.004
P.N. 25m without fitting	050.382.001	050.389.001	050.381.001	050.383.001
P.N. 100m-320ft without fitting	050.382.002	050.389.002	050.381.002	-
Collar SK	906.311.224	906.311.224	906.311.226	906.311.232
Part number according to length with fittings				
Fitting A B	1/4 NPS 1/4 NPS		3/8 NPS 3/8 NPS	
P.N. with fittings 5m-16ft	050.382.109	050.389.101	050.381.101	-
7,5 m	050.382.114	050.389.103	-	-
10 m	050.382.110	050.389.102	050.381.102	-
15 m		050.389.105		

ADAPTATION KIT FOR EQUIPMENT FITTED WITH 14 TO 26X125 FITTINGS	
Description	Part number
Pack of 2 fittings M1/4"NPS - F14x125	150.123.535
Pack of 2 fittings M3/8"NPS - F18x125	150.123.610
Pack of 2 fittings M3/4"NPS - F26x125	150.123.611



# ● Special hoses

HOSES CONFIGURATION								
Designation	Part number							
Material	Polyamide				Polyurethan			
Color	translucent		black	translucent	blue		black	
Internal diameter (mm)	2,7 x 4	4 x 6	6 x 8	6 x 8	8 x 10	4 x 6	6 x 8	8 x 12
Conductive	No							
Maximum operating pressure bar/psi	10/145							
Temperature	up to 60 °C							
P.N. without fittings : per meter	539.090.101	539.090.115	539.090.102	539.090.701	539.090.103	539.280.101	539.280.102	539.310.101
25 m	-	050.371.001	050.371.002	-	-	-	-	-
5 m	-	-	-	-	-	-	050.380.200	-
7,5 m	-	-	-	-	-	-	050.380.250	-

# ● PTFE Airmix® and Airless hoses

For all products, particularly those which are sensitive to air humidity (like silicone) and those which are chemically aggressive.

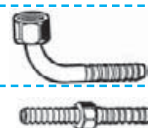
HOSES CONFIGURATION			
Designation	Part number		
Material color	Grey with metallic braid		
Internal diameter (mm)	6,35 (1/4")	10	13 (1/2")
Conductive	●	●	●
Operating pressure	250	175	350
Maximum bar	3625	2538	5075
Maximum psi			
Temperature	+ 10 °C to + 150 °C		
Fittings			
A	1/2 JIC	3/4 JIC	3/4 JIC
B (free nut)	1/2 JIC	3/4 JIC	3/4 JIC
P.N. with fittings 0,70 m	-	050.451.904	-
1m	050.452.001	050.451.903	-
2 m	-	050.451.901	050.452.204
5 m	050.452.002	050.451.902	-
7 m	-	-	050.452.201
10 m	-	-	050.452.203



Fluid hoses

# ● Fittings for low pressure air and fluid rubber hoses

FITTINGS CONFIGURATION				
Thread size	Material	Hoses Inter. Diameter (mm)	Part number	Collar
M 14 x 125	Nickel plated brass	7	050.230.605	906.311.224
1/4" NPS	Nickel plated brass	7	050.231.705	906.311.224
M 14 x 125	Nickel plated brass	8	050.230.607	906.311.224
1/4 NPS	Nickel plated brass	8	050.231.707	906.311.224
M 14 x 125	Nickel plated brass	10	050.230.602	906.311.226
1/4 NPS	Nickel plated brass	10	050.231.702	906.311.226
M 14 x 125	Nickel plated brass	5	050.230.604	906.311.224
M 14 x 125	Stainless steel	5	050.230.610	906.311.208
M 18 x 125	Nickel plated brass	7	050.230.616	906.311.224
3/8 NPS	Nickel plated brass	7	050.231.716	906.311.224
M 18 x 125	Nickel plated brass	10	050.230.606	906.311.226
3/8 NPS	Nickel plated brass	10	050.231.706	906.311.226
M 18 x 125	Nickel plated brass	16	050.230.601	906.311.232
3/8 NPS	Nickel plated brass	16	050.231.701	906.311.232
M 18 x 125	Stainless steel	10	050.230.614	906.311.226
M 26 x 125	Nickel plated brass	16	050.230.603	906.311.232
M 35 x 150	Nickel plated brass	25	-	906.311.213
M 14 x 125	Nickel plated brass	5	050.250.204	906.311.208
M 14 x 125	Nickel plated brass	7	050.250.203	906.311.224
M 18 x 125	Nickel plated brass	10	050.250.202	906.311.226
	Nickel plated brass	7	050.190.403	906.311.224
	Nickel plated brass	10	050.190.401	906.311.226



Hose fittings

## ● Fittings for low pressure polyamide hoses

### FITTINGS CONFIGURATION

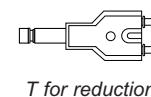
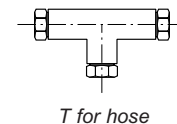
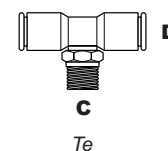
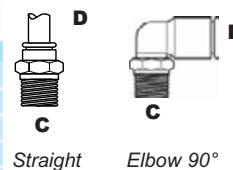
Thread size	Material	Hoses Inter. Diameter (mm)	Part number
M 3/8" NPS	Nickel plated brass	6.35 - 1/4	050.231.350
M 1/4" NPS	Nickel plated brass	6.35 - 1/4	050.231.450
M 3/8" NPS	Nickel plated brass	9.52 - 3/8	905.140.103



## ● Fittings for special air hoses

### FITTINGS CONFIGURATION

C	D	Straight	Right angle 90°	T- piece
G 1/8 (5 x 10) BSP	4	905.120.907	905.120.926	-
	6	-	905.120.902	-
	8	-	905.120.934	-
G 1/4 (8 X 13) BSP	4	-	905.120.927	-
	6	905.120.965	905.120.905	-
	8	905.120.904	905.120.912	905.120.920
6 x 8 hose T		2,7 x 4 Hose T- piece		4 x 6/2,7 x 4 Reduction T- piece
905.120.915		905.120.957		905.120.928



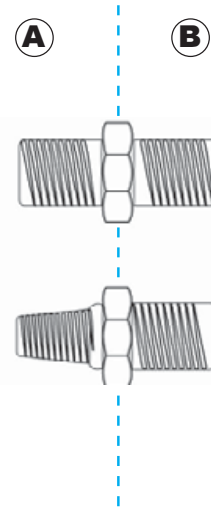


## ● Male to male fittings (Metric)

Max Pressure (20 and 60 bar)

FITTINGS CONFIGURATION				
Male A / Male B	M 14 x 125	M 18 x 125	M 26 x 125	M 38 x 150
G 1/8 (BSP) (5 x 10)	050.102.412			
G 1/4 (BSP) (8 x 13)	050.102.405 050.102.441 <sup>(1)</sup>	050.102.408 050.102.444 <sup>(1)</sup>		
1/4 NPS		050.102.514		
G 3/8 (BSP) (12 x 17)	050.102.410	050.102.411 050.102.436 <sup>(1)</sup>		
3/8 NPS	050.102.519			
M 14 x 125	050.102.134	050.102.133 050.102.142 <sup>(1)</sup>		
G 1/2 (BSP) (15 x 21)	050.102.513 <sup>(1)</sup>	050.102.406 050.102.418 <sup>(1)</sup>	050.102.402 050.102.437 <sup>(1)</sup>	
1/2 NPT			050.102.507	
M 18 x 125	050.102.133 050.102.142 <sup>(1)</sup>	050.102.102		
G 3/4 (BSP) (20 x 27)		050.102.429	050.102.407	
G1" (BSP) (26 x 34)				050.102.433

(1) Stainless steel fittings



Male to male fittings

## ● Male to male fittings (NPS)

Max Pressure (20 and 60 bar)

FITTINGS CONFIGURATION			
Male / Male	1/4 NPS	3/8 NPS	
G 1/4 (BSP)	050.102.624	-	
G 3/8 (BSP)	050.102.627	050.102.628	
G 1/2 (BSP)	050.102.633	050.102.629	
1/4 (NPS)	050.102.630	050.102.632	
3/8 (NPS)	050.102.632	050.102.631	

## ● Stainless steel male to male fittings (NPS)

Max Pressure (20 and 60 bar)

FITTINGS CONFIGURATION			
Male / Male	1/4 NPS	3/8 NPS	
G 1/4 (BSP)	050.102.644	050.102.646	
G 3/8 (BSP)	050.102.647	050.102.648	
G 1/2 (BSP)	-	050.102.649	
1/4 (NPS)	-	050.102.652	

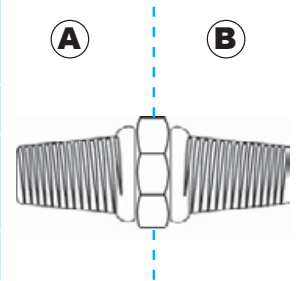
## ● Fittings - miscellaneous details

DETAILS			
Denomination	Fitting characteristics	Geographical area	Max. operating pressure (bar/psi)
M	cylindrical metric	France	20 / 290
G = BSP	conical gas (or cylindrical)	Europe - Asia	60 / 870
NPT	conical	USA - Asia	60 / 870
NPS	cylindrical	USA - Asia	60 / 870
JIC	cylindrical angle 74°	Universal	360 / 5220

## ● Male to male fittings (maximum pressure - 20 and 60 bar)

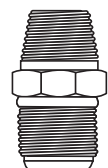
FITTINGS CONFIGURATION							
Male/Male	G 1/8 (5 × 10)	G 1/4 (8 × 13)	1/4 NPT	G 3/8 (12 × 17)	3/8 NPT	G 1/2 (15 × 21)	G 3/4 (20 × 27)
G 1/8 (5 × 10)		906.314.207 <sup>(1)</sup>		904.523.003			
		050.102.213		-		050.102.211	
G 1/4 (8 × 13)	906.314.207 <sup>(1)</sup>	-		906.314.204 <sup>(1)</sup>		-	
		906.314.203 <sup>(1)</sup>			905.083.201		
1/4 NPT					-		
		904.523.003		050.102.214		904.523.006	
G 3/8 (12 × 17)		-		-		-	
		906.314.204 <sup>(1)</sup>		906.314.202 <sup>(1)</sup>		906.314.205 <sup>(1)</sup>	
3/8 NPT			905.083.201				
			-				
		050.102.211		904.523.006			
G 1/2 (15 × 21)		-		-		050.102.212	904.523.012
				906.314.205 <sup>(1)</sup>		-	-
G 3/4 (20 × 27)						904.523.012	050.102.215
						-	-

(1) Stainless steel fittings



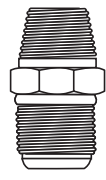
## ● Male to male fittings: protected coated steel (maximum pressure - 360 bar)

FITTINGS CONFIGURATION			
Male/Male	1/2 JIC		3/4 JIC
1/4 NPT	000.972.025		905.160.212
3/8 NPT	000.972.028		905.160.206
1/2 NPT	-		905.160.204
3/4 NPT	-		905.160.203



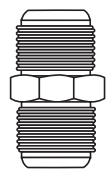
**● Male to male straight fittings:  
stainless steel  
(maximum pressure: 360 bar)**

FITTINGS CONFIGURATION		
Male / Male	1/2 JIC	3/4 JIC
1/8 NPT	905.210.501	-
1/4 NPT	905.210.502	905.210.512
3/8 NPT	905.210.503	905.210.513
1/2 NPT	905.210.504	905.210.514
3/4 NPT	-	905.210.515



**● Male to male straight fittings:  
protective coated steel  
(maximum pressure: 360 bar)**

FITTINGS CONFIGURATION		
Male / Male	1/2 JIC	3/4 JIC
1/2 JIC	050.102.301	905.160.201
3/4 JIC	905.160.201	905.160.202
3/8 NPT	050.470.202	905.160.103

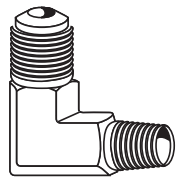


**● Male to male elbow fittings:  
protective coated steel  
(maximum pressure: 360 bar)**

FITTINGS CONFIGURATION		
	1/2 JIC	3/4 JIC
1/8	905.160.105	-
1/4	000.972.176	905.160.102

**● Male to male elbow fittings:  
stainless steel  
(maximum pressure: 360 bar)**

FITTINGS CONFIGURATION		
	1/2 JIC	3/4 JIC
1/4	905.210.602	905.210.612
3/8	905.210.603	905.210.613
1/2	905.210.604	-
3/4	-	905.210.615



## ● Male to male to male fittings (maximum pressure: 60 bar)

### FITTINGS CONFIGURATION

Description	Part number
Fittings 3 x G 1/2 (15 x 21) (BSP)	904.340.003

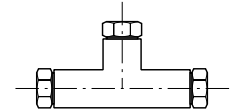
## ● Female to female fittings (maximum pressure: 20 - 60 bar)

### FITTINGS CONFIGURATION (MAX. PRESSURE : 20 AND 60 BAR)

Female / Female	G 1/4 (BSP)
G 1/4 (8 x 13) (BSP)	904.593.002
G 3/8 (12 x 17) (BSP)	904.503.003
M 14 x 125	050.221.401

### FITTINGS CONFIGURATION

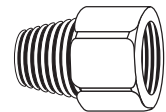
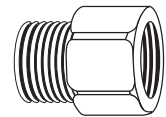
Inlet female	Outlet female	Outlet female	Part number
F 1/4 (8x13)	F 1/4 (8x13)	F 1/4 (8x13)	904.303.002
1/4 NPT	1/4 NPT	1/4 NPT	905.083.301
G 3/8 (12x17) (BSP)	G 3/8 (12x17) (BSP)	G 3/8 (12x17) (BSP)	904.303.003
G 1/2 (15x21) (BSP)	G 1/2 (15x21) (BSP)	G 1/2 (15x21) (BSP)	904.303.004
G 3/4 (20x27) (BSP)	G 3/4 (20x27) (BSP)	G 3/4 (20x27) (BSP)	904.303.006



## ● Male to female fittings (maximum pressure 20 and 60 bar)

### FITTINGS CONFIGURATION

Male\Female	G 1/4 (8 x 13)	G 3/8 (12 x 17)	3/8 NPS	M 14 x 125	M 18 x 125	G 3/4 (20 x 27)	M 26 x 125
1/2 JIC	-	-	050.103.537	-	-	-	-
G 1/4 (8 x 13)	050.123.205	904.533.003	-	-	-	-	-
1/4 NPS	-	-	050.103.534 - <sup>(1)</sup>	050.123.535 - <sup>(1)</sup>	050.123.526 - <sup>(1)</sup>	-	-
G 3/8 (12 x 17)	904.513.003	-	050.103.536 - <sup>(1)</sup>	-	-	-	-
3/8 NPS	-	-	-	-	050.123.532	-	-
M 14 x 125	-	-	050.123.523 - <sup>(1)</sup>	-	050.123.109	-	-
G 1/2 (15 x 21)	904.513.005	-	-	050.123.605	050.123.414	904.533.009	-
M 18 x 125	-	-	-	050.123.101	-	-	050.123.110
G 3/4 (20 x 27)	904.513.011	904.513.012	-	-	-	-	-
M 26 x 125	-	-	-	-	050.123.106	050.123.413	-
G 1 (26 x 34)	-	-	-	-	-	904.513.020	-

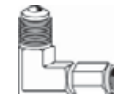
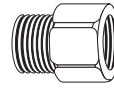


(1) Stainless steel fittings

## ● Male to female fittings (maximum pressure: 20, 60 and 360 bar)

FITTINGS CONFIGURATION				
Male\Female	1/4 NPS	M 14 × 125	M 18 × 125	1/2 JIC
1/4 NPS	-		-	050.123.304
1/2 JIC	050.123.305 <sup>(1)</sup>	050.230.619	050.230.620	-
M 18 × 125	-		-	050.123.521
3/8 NPS	-			050.123.533
1/2 JIC elbow fitting	-		-	905.160.101
3/4 JIC straight fitting	-		-	050.123.301 <sup>(1)</sup>

Straight fitting

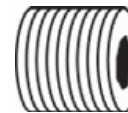
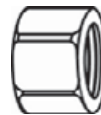


Elbow fitting  
(free nut)

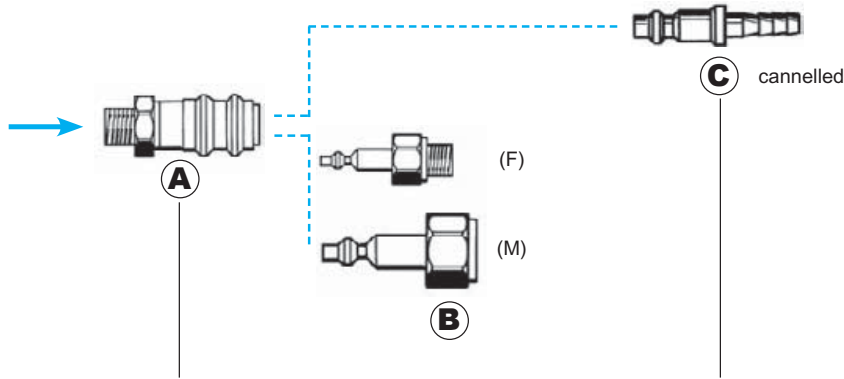
*(1) Stainless steel fittings*

## ● Plugs (maximum pressure - 20 and 60 bar)

PLUGS CONFIGURATION	
Description	Part number
Female	
1/2 JIC	906.333.301
Male	
1/8 NPT	906.333.108
G 1/8 (5 x 10)	906.333.106
G 1/4 (8 x 13)	906.333.102
G 3/8 (12 x 17)	906.333.104
G 1/2 (15 x 21)	906.333.103
G 3/4 (20 x 27)	906.333.105



## ISO 6150 Quick-fit fittings (maximum pressure: 10 bar)



### QUICK FITTINGS

Type	Complete assembly A and B	Part A with built-in chatter valve	Part B	Part C for rubber hose	
				Ø 7	Ø 10
Ø 5 (14x125)	905.030.405	905.030.102	905.030.406(F)	905.030.203	905.030.204
(1/4BSP)	-	-	905.030.804(M)	-	-
(1/4BSP)	905.030.105	905.030.104	905.030.803(F)	-	-
(1/4NPS)			905.030.106(F)		
Holding collar	-	-	-	906.311.224	906.311.226



### QUICK FITTINGS FOR Ø 8 HOSE

Type	Part A with on/off press button for hose Ø 8	Part C for hose Ø 8
Ø 5	905.030.801	905.030.802

## Low pressure valves

### 3 WAYS VALVE PART NUMBERS

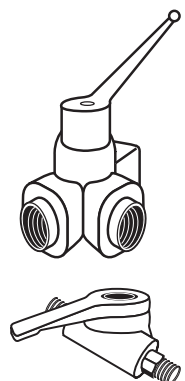
Description	Part number
3 x 1/4 BSP	903.090.804
3 x 1/4 BSP (stainless steel)	903.090.805

### 2 WAYS MALE/MALE VALVE PART NUMBERS

Description	Input	Output	Part number
Ball valve	(M) G 1/4 (8 x 13)	(M) M 14 x 125	050.070.205
	(M) G 3/8 (12 x 17)	(M) M 1/4 NPS	050.070.211
	(M) G 1/2 (15 x 21)	(M) M 18 x 125	050.070.204
	(M) G 1/2 (15 x 21)	(M) G 1/2 (15 x 21)	050.070.201
	(M) 3/8 (12 x 17)	(M) M 18 x 125	050.070.212

### 2 WAYS FEMALE/FEMALE VALVE PART NUMBERS

Description	Input	Output	Part number
Valve	(F) 1/4" BSP (8 x 13)	(F) 1/4" BSP (8 x 13)	903.090.806
Valve	(F) 3/8" BSP (12 x 17)	(F) 3/8" BSP (12 x 17)	903.090.206

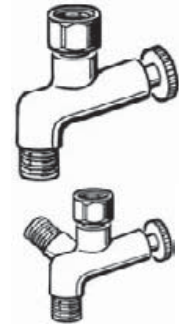


## ● Needle valves

2 WAYS VALVE PART NUMBERS			
Description	Input	Output	Part number
Female/male (inlet/ outlet)	M 14 x 125	M 14 x 125	050.070.179
Female/male (inlet/ outlet)	G 1/4 (8 x 13)	M 14 x 125	050.070.101

3 WAYS VALVE PART NUMBERS	
Description	Part number
Female/male/male M 14 x 125	050.070.401



## ● Air bleeding valves

AIR BLEDDING VALVE PART NUMBER	
Description	Part number
Inlet thread (male) G 1/4 (8 x 13)	903.093.302



## ● Air line output control valves

VALVE PART NUMBERS			
Description	Input	Output	Part number
Female to male (inlet/ outlet)	G 1/4 (8 x 13)	G 1/8 (8 x 13)	050.070.190
Female/male (inlet/ outlet)	M 14 x 125	M 14 x 125	050.070.179



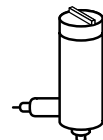
## ● AIRLESS fluid valves

PART NUMBER				
Description	Input	Output	Maximum fluid pressure (bar)	Part number
Female to female	G 3/8 (12 x 17)	G 3/8 (12 x 17)	250 bar	000.750.040



## ● Bleeding valves

BLEEDING VALVES PART NUMBERS				
Description	Input	Output	Maximum fluid pressure (bar)	Part number
Male to male (inlet/outlet)	G 1/4 (8 x 13)	M 18 x 125	400	000.760.000
Male to male (inlet/outlet)	G 1/4 (8 x 13)	M 18 x 125	240	000.760.100



# ● Pressure regulator - manual control - low viscosity materials

*Made entirely out of stainless steel, easy to flush.*

CHARACTERISTICS		
Pressure range (bar)	Inlet	40 max.
	Outlet (upon version)	0,5 - 4
Weight (kg)		1,3
Width (cm)		8,5
Height (cm)	Large passages	17
	Small passage	16,5
Wetted parts		Stainless steel, PTFE, carbide

REGULATOR FITTINGS LARGE PASSAGE		
Fitting	Fluid inlet (w/o adaptator)	M 1/4 BSP
	Fluid Outlet	F 1/4 BSP (x2)

REGULATOR FITTINGS SMALL PASSAGE		
Fitting	Fluid Inlet	F 1/4 NPS
	Fluid Outlet	F 1/4 BSP (x2)

CONFIGURATION			
Description	Manometer		Part number
Bare pressure regulator PP (small passage)	-		155.610.200
Pressure regulator PP (small passage)	●		155.610.209
Bare pressure regulator GP (large passage) - charged materials	-		155.610.250
Pressure regulator GP (large passage) - charged materials	●		155.610.259



# ● Constant Flow™

*The Constant Flow®™ is a low pressure fluid regulator. It can be set-up in single or two components paint installations (water or solvent-based) between the pump or 2K machine outlets and the gun. It is aimed to prevent any pulsation.*

*It is made entirely of stainless steel, can be flushed easily and very useful for very low outputs and pressures.*

FEATURES	BENEFITS
Outlet product flow is adjustable using the precision regulator	Possibility to work with very low flow
Conception with a damping product room	Cancel all product variation flow
Contact with product part and membrane are PTFE	Optimized flushing
All stainless steel construction	Compatible with most of solvent or water-based products.
Pneumatic logic	Set it up into the paint cabinet





### SPECIFICATIONS

Maximum temperature (°C)		60
Maximum air inlet pressure (bar)		6
Pressure range (bar)	Command air	0.5 - 6
	Outlet	1-6
Weight (kg)		5
Width (cm)		27
Height (cm)		40
Fluid viscosity		120 Cps max
Wetted parts		Stainless steel, aluminum PTFE coated, PTFE diaphragm

### FITTINGS

Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 3/8" NPS
	Fluid Outlet	M 3/8" NPS

Description	Manometer	Part number
Constant Flow™	●	1057.410.100

## ● Pressure regulator - Piloted - low viscosity materials

*Available in stainless steel or non-stick treated versions, excellent flushing. Manual control version available for a very fine regulation and even flow.*

### CHARACTERISTICS

Pressure range (bar)	Inlet	Small passage	40 max
		Large passage	6 max
		manual command	10 max
	Outlet	0,5 -4 bar	
Wetted parts	Command air		6 max
	Stainless steel, PTFE, carbide		

### SMALL PASSAGE REGULATOR - FITTINGS AND DIMENSIONS

Fitting	Fluid Inlet	F 1/4" NPS
	Fluid Outlet	F 1/4" BSP
	Air inlet (command)	F 1/8" BSP
Weight (kg)		1
Width (cm)		8.5
Height (cm)		7.3

### LARGE PASSAGE REGULATOR - FITTINGS AND DIMENSIONS

Fitting	Fluid Inlet	M 1/4" BSP + (M18x125, M3/8" NPS, M3/8" BSP)
	Fluid Outlet	F 1/4 BSP
	Air inlet (command)	F 1/8 BSP
Weight (kg)		1
Height (cm)		7.3
Width (cm)		8.5

### MANUAL CONTROL PILOTED REGULATOR - FITTINGS AND DIMENSIONS

Fitting	Fluid Inlet	M 1/4" BSP + (M18x125, M3/8" NPS, M3/8" BSP)
	Fluid Outlet	F 1/4" BSP
Weight (kg)		1.6
Height (cm)		20
Width (cm)		8.5

### CONFIGURATION

Description	Material	Part number
Piloted stainless steel pressure regulator	Stainless steel small passages	155.610.230
Piloted stainless steel pressure regulator large passage	Stainless steel large passages	155.610.050
Piloted non-stick treated pressure regulator	Non-stick	055.370.100
Piloted regulator with wall bracket and pressure gauge	Stainless steel	155.610.060



# ● Pressure regulator - Back - low viscosity materials

Available in stainless steel manual control version.

## CHARACTERISTICS

Pressure (bar) - regulated materials	4 max
Weight (kg)	1,3
Width (cm)	8,5
Height (cm)	16,8
Wetted parts	Stainless steel, PTFE, carbide

## FITTINGS

Fitting	Fluid Inlet	F 1/4" BSP
	Fluid Outlet	M 1/4" BSP + (M18x125, M3/8"NPS, M 3/8"BSP)

## CONFIGURATION

Description	Part number
Back pressure regulator	155.610.100
Options:	
- Wall bracket	016.200.010
- Pressure gauge: stainless MF 1/4 elbow	050.470.101
stainless steel tube	050.081.701
stainless steel shroud	050.470.301
gauge	910.011.402



# ● Pressure regulator - manual control - AIRMIX®

*AIRMIX® fluid regulator is designed for low viscosity materials*

## CHARACTERISTICS

Pressure range (bar)	Inlet	250 max
	Outlet (upon version)	10 - 70; 10-120
Weight (kg)		3,6
Width (cm)		8,9
Height (cm)		20
Wetted parts		Stainless steel, PTFE, carbide

## FITTINGS

Fitting	Fluid Inlet	F 3/8" NPS
	Fluid Outlet	F 3/8" NPS

## CONFIGURATION

Description	Part number
Manual regulator 10 - 70 bar	155.271.730
Manual regulator 10 - 120 bar	155.271.735
Manual regulator PH version 10 - 120 bar	155.271.770
Options:	
Wall bracket	155.484.010



# ● Pressure regulator - Piloted - AIRMIX®

*AIRMIX® fluid regulator is designed for low viscosity materials. Piloted version features increases regulation precision and remote control*

## SPECIFICATIONS

Pressure range (bar)	Inlet (upon version): 120 max (version 5-40) or 250 max (versions 10-70 and 10-120) Outlet (upon version): 5-40; 10-70; 10-120
Weight (kg) (max: 10-120 version)	4,1 (max: version 10-120)
Width (cm) - w/o pilot	8,9
Height (cm) - (max: 10-120 version)	27,5
Wetted parts	Stainless steel, PTFE, carbide

## FITTINGS

Fitting	Fluid Inlet	F 3/8" NPS
	Fluid Outlet	F 3/8" NPS
	Air inlet (command)	F 1/4" BSP



## PILOTED REGULATOR WITH/WITHOUT PILOT CONFIGURATION

Description	Part number
Piloted Airmix® regulator (with pilot) 5-40 bar	155.271.765
Piloted Airmix® regulator (with pilot) 10-70 bar	155.271.750
Piloted Airmix® regulator (with pilot) 10-120 bar	155.271.755
Piloted Airmix® regulator (w/o pilot) 5-40 bar	155.271.760
Piloted Airmix® regulator (w/o pilot) 10-70 bar	155.271.740
Piloted Airmix® regulator (wi/o pilot) 10-120 bar	155.271.745

Fluid pressure regulator - Medium pressure

**CARTRIDGE PILOTED REGULATOR WITHOUT PILOT CONFIGURATION**

Description	Part number
Cartridge piloted regulator 5/40	155.271.719
Cartridge piloted regulator 10/70	155.271.715
Cartridge piloted regulator 10/160	155.271.716

**ACCESSOIRES**

Description	Part number
Wall bracket	155.484.010

● **Pressure back regulator - AIRMIX®**

**SPECIFICATIONS**

Pressure range (bar)	Inlet	120 max
	Regulated outlet	10 - 120
Weight (kg)		3,6
Width (cm)		8,9
Height (cm)		20
Wetted parts	Stainless steel, PTFE, carbide	

**FITTINGS**

Fitting	Fluid Inlet	F 3/8" NPS
	Fluid Outlet	F 3/8" NPS



**CONFIGURATION**

Set-up	Fitting (suction)	Part number
Bare	-	155.271.835
Equipped for wall-mounting, supplied with 2m fluid hose and fittings for pump suction	26 x 125	051.314.030
Wall bracket		155.484.010

## ● High pressure gauges

*Metal pressure gauge with glass and glycerin lens; totally impact and solvent resistant.*



HIGH PRESSURE GAUGES				
Description	Pressure range (bar)	Fitting	Internal diameter (mm)	Part number
Pressure gauge side inlet	0 - 400	M 1/4 G	63	910.010.801
	0 - 120			910.010.802

## ● Diaphragm high pressure gauges

*The diaphragm high pressure gauge prevents any contamination by the product. Easy to flush.*

HIGH PRESSURE GAUGES				
Description	Pressure range (bar)	Manometer fitting (Y)	Internal diameter (mm)	Part number
Diaphragm high pressure gauge	0 - 250	M 3/8" NPS - F 3/8" NPS	50	155.271.790

## ● Regulators

*1/4" (with grey or red knob) , 1/2" and 3/4" (with red ring) regulators are used on the compressed air lines.*

CHARACTERISTICS				
Regulator	1/4"	1/2"	3/4"	
Max. inlet pressure (bar)	9	20	21	
Max. output (m3/h)	25	210	360	

CONFIGURATION				
Description	Pressure (bar)	Type	Part number	
Red knob regulator	3,5	1/4"	016.240.000	
Grey knob regulator			016.380.000	
Grey knob regulator	016.390.000			
Red knob regulator	016.370.000			
Regulator with pressure gauge inlet fitting 1/4" - outlet fitting M1/4" NPS	5,5		019.720.000	
Grey knob regulator			016.360.000	
Red ring regulator	10	1/2"	016.470.000	
Red ring regulator	10	3/4"	016.480.000	



Piloted regulator



Piloted regulator-manual control

# ● DE 37 Purifier-regulator with filter cartridges

*Usually fitted in the paint cabins. Its twin-body construction ensures completely water and oil free.*

*Technical characteristics:*

- Maximum operating air output: 37 m<sup>3</sup>/h - 22 cfm
- Maximum operating air pressure: 10 bar/145 psi
- Height: 290 mm
- Air inlet opening: F8 x 13G

Standard equipment:

- One regulated pressure gauge
- One F8 x 13 Valve
- One tap valve F8 x 13
- Two air outlet taps: M 14 x 125



## SPECIFICATIONS

Air output (m <sup>3</sup> /h)		37
Maximum fluid pressure (bar)		10
Height (cm)		29
Fitting	Air Inlet	F8 x 13G
Set-up		1 regulated pressure gauge 1 valve F 1/4 G 1 ball valve F 1/4 G 2 air outlet taps M 1/4 NPS

## PART NUMBERS

Description	Part number
Purifier with DE 37 regulator	015.240.000
Blue cartridge for water	015.230.500
Red cartridge for oil	015.230.200
Felt cartridge seal (2 per cartridge)	015.010.006

# ● Regulators, filters and lubricators

*Regulators with pressure gauges, filters and lubricators with polycarbon reservoirs are all modular, allowing you to put together the best air treatment equipment for your needs.*

- Filter with trunnion deflector, transparent polycarbon reservoirs (heat resistant up to 50°C), manual bleed and a bronze filter capable of holding all particles larger than 5 microns.
- Regulator with pressure gauge: self-regulating and vibration free, pressure gauges from 0 to 12 bar/180 psi, equipped with automatic decompression system
- Lubricator with transparent polycarbon lid (heat resistant up to 50°C), flush adjustment screw; it lubricates by fine vaporisation
- Maximum operating pressure: 12 bar/180 psi

## CONFIGURATION RÉGULATEURS

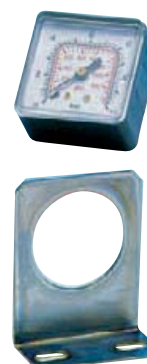
Type	Inlet diameter	Outlet diameter	Output at 9 bar (l/mn)	Part number
Regulator with gauge				
M 150/2	1/4	1/4	1000	004.601.100
M 250/3	1/2	1/2	5250	004.601.300
Filter with polycarbonate tank				
M 100/2	1/4	1/4	1760	004.603.100
M 200/2	3/8	3/8	7000	004.603.200
Lubricator with polycarbonate tank				
M 110/2	1/4	1/4	2500	004.604.100
M 210/3	1/2	1/2	5250	004.604.300



## ● Accessories

Allow the easy assembly and fitting of regulators, lubricators and filters to provide the ideal system.

PART NUMBERS	
Description	Part number
1/8"square pressure gauge - maxi pressure 12 bar	004.601.001
Regulator support bracket F 171/1 for 1/8" and 1/4"	004.601.002
Regulator support bracket F 176/1 for 3/8" and 1/2"	004.601.201



Air treatment

## ● 3000 type filter systems

**For a clean spraying air.  
With active carbon**

The 3000 type filter system with wall mounting kit is made up of:

1 Prefilter

with an air regulator, a control gauge and a purge  
- 5 microns filtration  
- holding dust and water condensats

1 coalescent filter

with a purge and 2 quick air fittings outlets  
- filtration at 0.01 micron  
- holding oil and solid particles

Option:

An active carbon filter  
- for filtering odours and oil vapours (to be mounted after the submicronic filter instead of the quick fitting)

PART NUMBER	
Description	Part number
Type 3000 filter assembly -inlet fitting: F 1/2" G -outlet fitting: F 1/2" G supplied with a T fitting and 2 quick fittings Ø 5	151.250.500
Cartridge 5m	151.250.501
Cartridge 0.01m	151.250.502
Option: active coal filter type 3000 inlet: M 1/2" G outlet: F 1/2" G	151.250.600
Active coal cartridge	151.250.601



With active carbon filter

## ● Pressure gauges

Built to last in metal with glass lenses, they are completely impact and solvent resistant.

CONFIGURATION			
Description	Internal diameter (mm)	Pressure range (bar)	Part number
Pressure gauge - side inlet	50	0 - 10	910.011.402
		0 - 4	910.011.404
Pressure gauge - central inlet		0 - 6	910.011.403
		0 - 16	910.011.405



## ● Suction rods

CONFIGURATION							
Hoses Inter. Diameter (mm)	Hoses Length (mm)	Hoses Material	Hoses thread	Ext. diameter (mm)	Tube Height (mm)	Material	Part number
10	1000	Nitrile	F 18 x 125	16.5/18	600	Inox	049.596.010 -
19			F 26 x 125	25	600		049.596.110 -
19			F 26 x 125	25	1000		049.596.130 -
10			F 18 x 125	16.5/18	600		049.596.210 - (1)
25	1500		F 38 x 150	25	600		049.597.100 -

(1) Raccord coudé côté aspiration pompe.



## ● Flushing rods

CONFIGURATION							
Hoses Inter. Diameter (mm)	Hoses Length (mm)	Hoses Material	Hoses thread	Ext. diameter (mm)	Tube Height (mm)	Material	Part number
10	1000	Nitrile	F 18 x 125	16.5/18	600	Inox	049.596.000 - 049.596.200 - (1)

(1) An elbow fitting on the pump suction side



## ● Blow gun

For blowing-off dust from various surfaces.

CONFIGURATION			
Description	Fitting	Part number	
Blow gun	F 1/4" BSP	129.371.000	



## ● Strainers

STRAINERS							
Suction rod P.N.	height (mm) mm	Ø external (mm) mm	Material	Filtration size		Ø tube for passage (mm)	Strainer P.N.
				Micron	Mesh		
049.596.010 -	60	40	polyamide	300	50	16,5	051.531.600
	112	66		1000	15	18	149.591.400
049.596.110 -	112	66		1000	15	25	149.591.400
	049.596.130 -	112		66	1000	15	25
049.596.210 - (1)		60		40	1000	50	16,5
	112	66		1000	15	18	149.591.400
049.597.100 -	112	66		1000	15	25	149.591.400

(1) An elbow fitting on the pump suction side



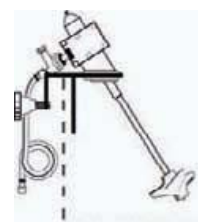


## ● Carts

Description	Part number
Single Post Cart	051.730.110
Two Post Cart w/o plate	051.221.000
Two Reinforced Arms	051.231.000
Two Post Pump Mounting Plate	056.100.199

## ● Agitators for 20 litres drums

AGITATORS	
Description	Part number
Bare agitator	051.332.610
Agitator with 25 cm hose	051.332.600
Agitator with 5 m hose	049.220.710
New cover Ø325 with agitator	903.290.101
System for barrel mounting	049.220.720



## ● Lubricants for pump fittings

LUBRICANT FOR PUMP PACKINGS	
Description	Part number
Lubricants for pump fittings	
T lubricant (1/4 l) can for solvent-based paints	149.990.020
Kit of 3 T lubricant cans (2L each)	151.260.820
Kit of 3 P lubricant cans (2L each)	151.260.821
Grease	
Vaseline 1 kg "special PMP"	560.440.002
Box of 450 g PTFE grease	560.440.001
Techni Lub tube	560.440.101
Box of graphite black grease (1kg)	560.420.005



## ● Viscosity cup

*The viscosity is proportional to the dropping time according to the AFNOR n°4 scale (in seconds)*

VISCOSITY CUP	
Description	Part number
Viscosity cup N° 4 CA4	049.221.400



## ● Wet film thickness gauge

### THICKNESS GAUGE FROM 1 TO 80 1000 MILSCALE

Description	Part number
Thickness gauge	000.790.020



## ● Miscellaneous

### PART NUMBERS

Description	Part number
M22/MVX gun wrench	049.030.042
M21, J4 and J5 gun wrench	049.030.021
Wrench for AIRMIX® and AIRLESS filters	049.030.018
Adhesive-roller with Kremlin logo (75mm x 100m)	571.141.003
Large size brush	906.300.101
Small size brush	906.300.102
Wooden spatulas (pack of 5)	149.220.600







#### **ATEX Directive ( Explosive Atmosphere)**

**ATEX 94/9/CE Directive** : European (EU) regulation for the use of electrical and non-electrical equipment which may be used in explosive atmospheres, including pumping and spraying equipment in potentially explosive atmospheres.

From 1 July 2003, it will be necessary for all products placed on the market or put into use to comply with the ATEX Directive, even if they are only intended for use in their country of origin.

All user will have to be compliant with the Directive at the latest on 30 June 2006 for existing equipment (ATEX 99/92 CE).

Compliant KREMLIN equipment are in Group II, category 2G (equipment designed to ensure a high level of protection). They can be used in zone 1 and 2 without any restriction.

Nota : Group II – Category 2: equipment designed to ensure a high level of protection

G : gas and vapour

Zone 1 : potential hazard (spray booth, preparation area)

Zone 2 : minimal hazard

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