

universal blowguns



principle of universal blowguns



This state of the art range of **Legris** blowguns fulfils the demanding requirements of industrial users.

The design is a pleasing balance of technical performance, ergonomic features and aesthetic appearance.

Legris blowguns combine a progressive trigger action with a powerful and quiet air jet.

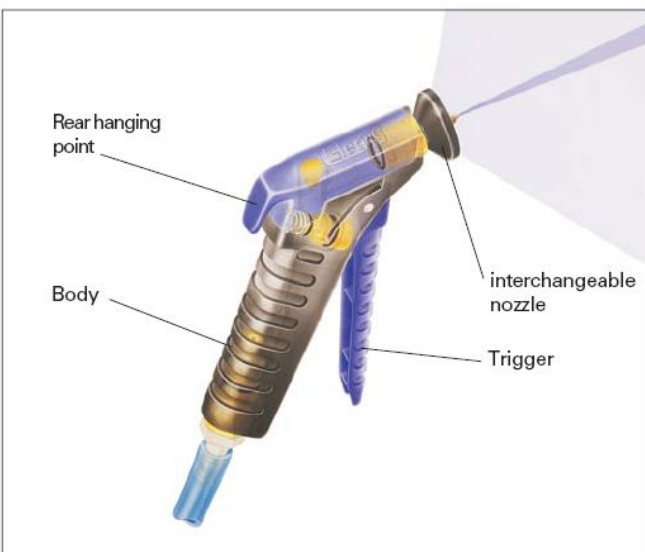
Personal safety and the safety at work regulations were given a high priority in the product design .

Particular attention has been paid to the "feel", performance and appearance of the gun ; it is light, yet robust.

The range of interchangeable nozzles allows the **Legris** blowgun to be used in many ways :

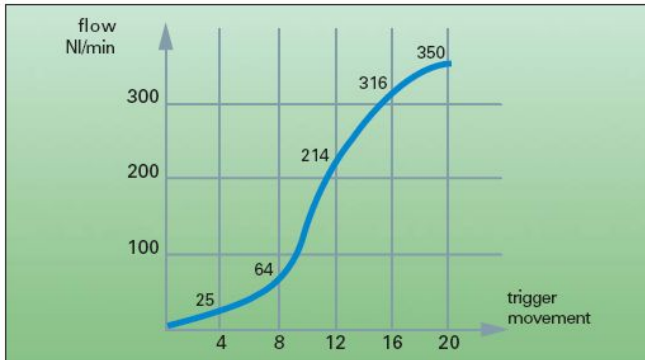
- **blowing air to** : cool machines, dry parts, ventilate, dust benches etc.
- **ejection** : of steams, fumes, particles, swarf etc...
- **moving** : small components, granules, swarf, etc...
- **mixing** : of air and other gasses
- **cooling** : stamped parts when ejected from a press

technical specification



Fluid	compressed air <i>please consult us for other fluids</i>
Maximum working Pressure	up to 10 bar
Temperatures	dry Air : - 20° to + 80°C ambient : - 15° to + 50°C
Material	body, trigger : polyacetal seals : nitrile nozzles : nickel plated brass (0659 = aluminium) deflectors : Engineering grade plastic

advantages



progressive action

The trigger is very sensitive and has a long, easily controlled movement, which allows the user to control the flow accurately. This responsive and gradual action gives greater sensitivity when using the blowgun in the workplace (for example with small parts).



safety features

Technology is built in to ensure adherence to international health and safety at work requirements, eg.

- pressure is reduced on certain models
- safety nozzles
- low noise levels.



ergonomic design

- Special attention has been paid to the shape, size and design to enhance comfort and safety :
 - the blowgun is easy to grip
 - it has the right "feel"

Its light weight and ease of use make it especially suited to production environments and for both male and female operators.



wide range of nozzles

Four blowguns and a wide range of interchangeable nozzles to meet many specific requirements, whether it be difficult access, safety, economy, power, etc...

- Standard jet
- Safety
- Straight tube (long or short)
- Angled tube (long or short)
- Coanda nozzle
- Booster nozzle
- Air screen nozzle
- Booster nozzle with airscreen
- LF 3000 nozzle

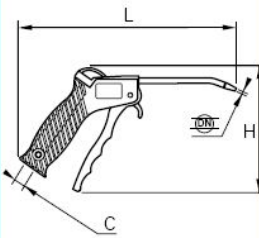
The Legris range of blowguns and nozzles gives you the right equipment for the job in hand.

universal blowguns

0659 standard blowgun with angled nozzle



body : polymer
nozzle : aluminium

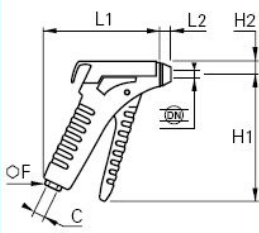


C			H	L	
G1/4	3,5	0659 00 13	125,5	223	0,075

0651 standard fixed jet blowgun



body : polymer
nickel-plated brass nozzle

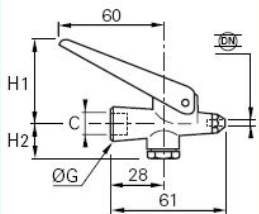


C			F	H1	H2	L1	L2	
G1/4	2,5	0651 00 13	17	128	14	120	4,5	0,173

0623 lever operated nickel plated brass air gun with removable nozzle



nickel plated brass

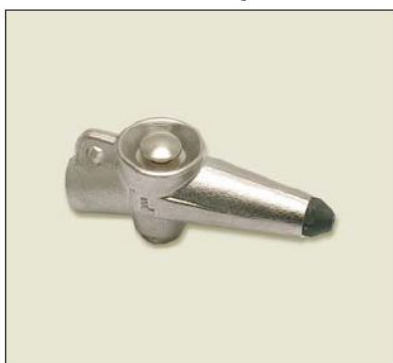


C			G	H1*	H1*	H2	
				mini	maxi		
G1/4	2	0623 10 35	18	37	19	21	0,124

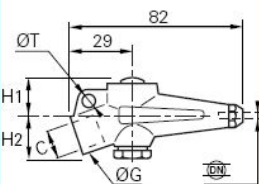
*tolerance = ± 2 mm

This blowgun has a nickel plated brass body with hardened steel nozzle.

0622 button operated blowgun



nickel plated brass

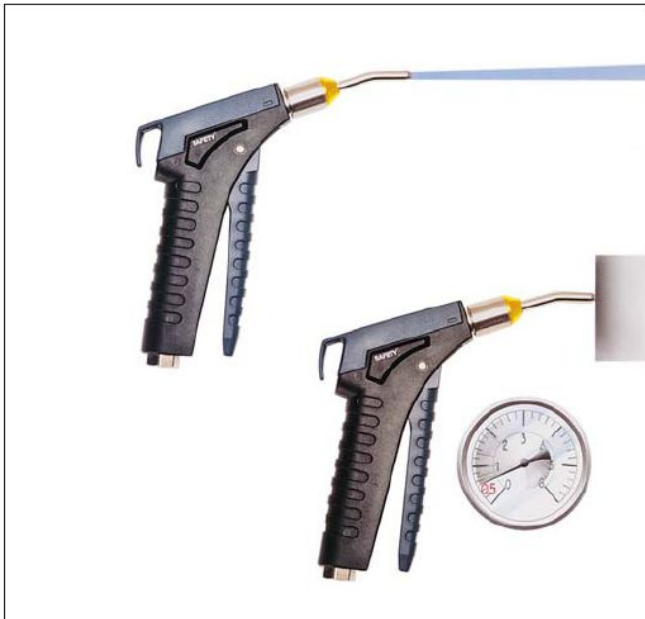


C			G	H1	H2	T	
G1/4	2	0622 26 73	18	17,5	20,5	7	0,194

This blowgun has a nickel plated brass body with hardened steel nozzle.

universal blowguns

dynamic safety blowgun



Thanks to its innovative design, the Legris universal safety blowgun ensures the safety of the operator and machinery at all times. An integrated pressure regulator gives active safety to the user.

The principle is simple :

- when in close proximity to any obstacle, the pressure falls rapidly, restricting pressure to 0,5 bar (at inlet pressure of 6 bar) once directly in contact with the object.
- conversely, as soon as the nozzle is removed from the obstacle, the pressure rises automatically.

technical specifications

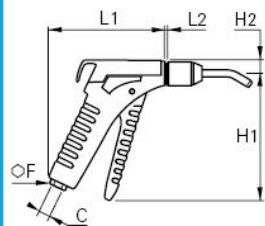
fluid carried : compressed air
 maximum flow pressure : 10 bar
 safety pressure at 6 bar : 0,5 bar
 output at 6 bar : 255 NI/min
 force of air jet at 6 bar : 0,145 daN
 noise level (norm NFS 31 031) : 83,3 dbA



0654 type dynamic safety blowgun



polymer body -
nickel plated brass nozzle

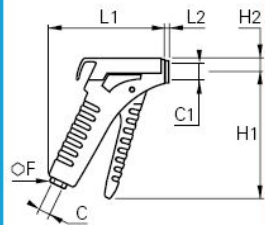


C		F	H1	H2	L1	L2	Δ kg
G1/4	0654 00 13	17	128	14	120	1,5	0,213

0652-0653 blowgun for interchangeable nozzles



body : polymer

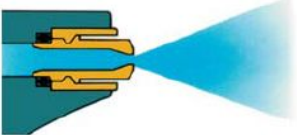

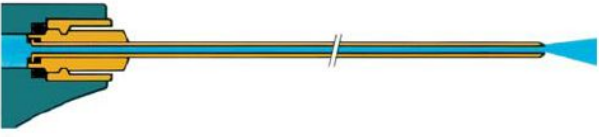
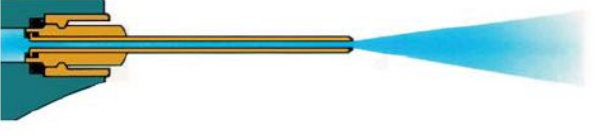



C	C1		F	H1	H2	L1	L2	Δ kg
G1/4 M12x1,25	0652 66 13		17	128	14	120	1,5	0,161
G1/4 M12x1,25	0653 66 13*		17	128	14	120	1,5	0,169

*nozzle with passage reduction


Choose from the wide range of interchangeable nozzles to have the right tool for the job - please refer to pages L8 and L9

threaded nozzles for universal blowgun 0652

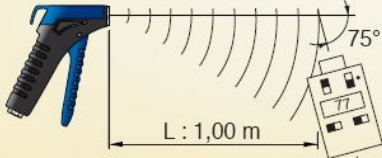
nozzles	technical characteristics at 6 bar		other features
0690 01 00 standard nozzle 	1- flow rate	390 NL/min	safety noise level
	2- noise level	96 dBA	power difficult access ●
	3- spread of air cone at nozzle	23°	directional control ●● economy
	4- force of airjet	3,5 N	dusting ability orientable
0690 02 00 safety nozzle 	1- flow rate	610 NL/min	safety ●● noise level
	2- noise level	99 dBA	power ●●● difficult access
	3- spread of air cone at nozzle	26°	directional control ● economy ●●
	4- force of airjet	4,0 N	dusting ability orientable
0690 03 00 straight tube nozzle (long) 	1- flow rate	360 NL/min	safety noise level
	2- noise level	92 dBA	power ● difficult access ●
	3- spread of air cone at nozzle	21°	directional control ●● economy
	4- force of airjet	3,1 N	dusting ability ●● orientable
0690 04 00 straight tube nozzle (short) 	1- flow rate	410 NL/min	safety noise level
	2- noise level	93 dBA	power ● difficult access ●
	3- spread of air cone at nozzle	21°	directional control ●● economy
	4- force of airjet	3,5 N	dusting ability ● economy
0690 05 00 angled tube nozzle (long) 	1- flow rate	360 NL/min	safety noise level
	2- noise level	92 dBA	power ● difficult access ●●
	3- spread of air cone at nozzle	21°	directional control ●● economy
	4- force of airjet	3,1 N	dusting ability ●● orientable ●●

additional technical information

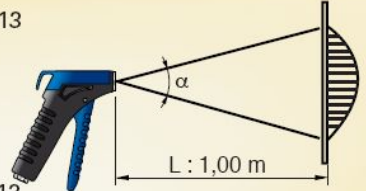
1- with blowgun 0652 66 13 plus nozzle.



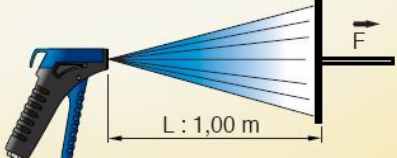
2- according to A.N.S.I. 51-4 standard (American National Standard Institute) with blowgun 0652 66 13 plus nozzle.



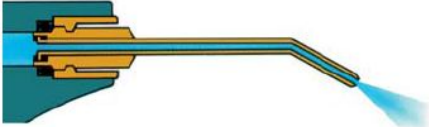
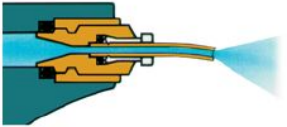

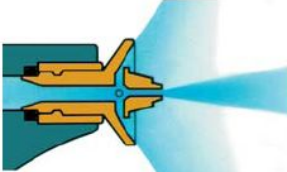
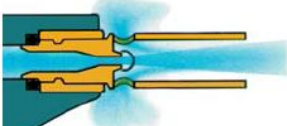
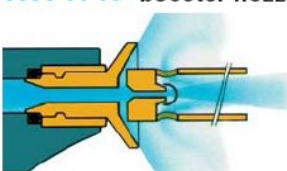
3- with blowgun 0652 66 13 plus nozzle.



4- with blowgun 0652 66 13 plus nozzle. Pushing a 0.1m² circular plate.



threaded nozzles for universal blowgun 0652

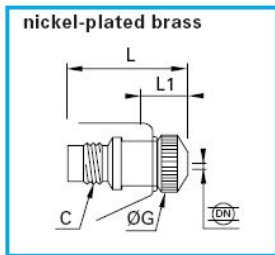
nozzles	technical characteristics at 6 bar		other features
0690 06 00 angled tube nozzle (short) 	1- flow rate	410 NL/mn	safety
	2- noise level	93 dBA	noise level
	3- spread of air cone at nozzle	21°	power ● difficult access ●●
	4- force of airjet	3,5 N	directional control ●● economy
0690 07 00 nozzle for nylon + polyurethane tubing 	1- flow rate	Ø4 x 2 200NL/min Ø4 x 2,7 340NL/min	safety
	2- noise level	90 dBA 96 dBA	noise level
	3- spread of air cone at nozzle	22° 23°	power ●●● difficult access ●●●
	4- force of airjet	1,7 N 3,0 N	directional control ●● economy
0690 08 00 COANDA nozzle 	1- flow rate	260 NL/min	safety ●
	2- noise level	77 dBA	noise level ●●●
	3- spread of air cone at nozzle	20°	power ●●● difficult access ●●●
	4- force of airjet	1,2 N	directional control ●●● economy ●
0690 09 00 air screen nozzle 	1- flow rate	660 NL/min	safety ●●●
	2- noise level	96 dBA	noise level
	3- spread of air cone at nozzle	jet 24° screen 140°	power ●●● difficult access ●●●
	4- force of airjet	1,5 N	directional control ● economy
0690 10 00 booster nozzle 	1- flow rate	780 NL/min	safety ●●
	2- noise level	103 dBA	noise level
	3- spread of air cone at nozzle	28°	power ●● difficult access ●●
	4- force of airjet	3,1 N	directional control ●● economy ●●●
0690 11 00 booster nozzle with air screen 	1- flow rate	860 NL/min	safety ●●●
	2- noise level	101 dBA	noise level
	3- spread of air cone at nozzle	jet 26° screen 140°	power ●●● difficult access ●●●
	4- force of airjet	1,5 N	directional control ●● economy ●●

main advantages

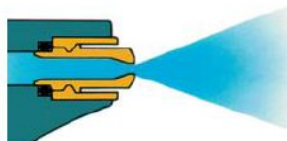
- **safety** = maximum protection for the user.
- **noise level** = low noise levels reduce health hazards.
- **power** = efficiency and high output
- **difficult access** = nozzles designed for use where access is difficult
- **directional control** = precision
- **economy** = booster nozzle venturi system increases flow rate
- **dusting ability** = use to move powdered materials
- **orientable** = nozzle can be turned through 360°

interchangeable nozzles for universal blowgun 0652

0690 01 standard nozzle

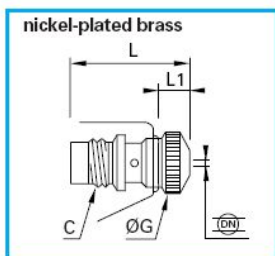


C	DN		G	L	L1	kg
M12x1,25	2,5	0690 01 00	15	31,2	8,9	0,025



- Multi-purpose
- Powerful and responsive air jet

0690 02 safety nozzle

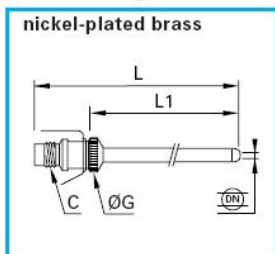
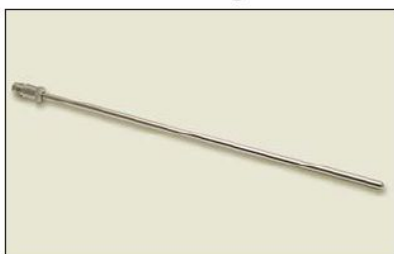


C	DN		G	L	L1	kg
M12x1,25	3	0690 02 00	15	31,2	9,2	0,025

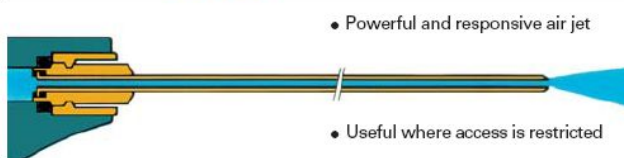


- Should the nozzle become obstructed, air escapes through holes in the side of the nozzle
- Powerful and responsive air jet

0690 03 straight tube nozzle (long)

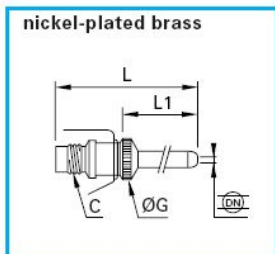


C	DN		G	L	L1	kg
M12x1,25	2,5	0690 03 00	15	332	307	0,065

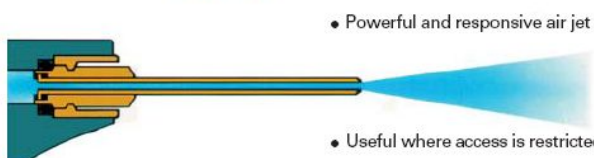


- Powerful and responsive air jet
- Useful where access is restricted

0690 04 straight tube nozzle (short)

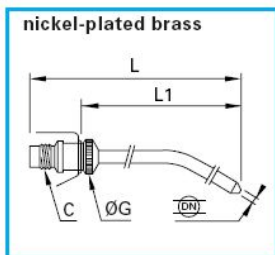


C	DN		G	L	L1	kg
M12x1,25	2,5	0690 04 00	15	102	77	0,035

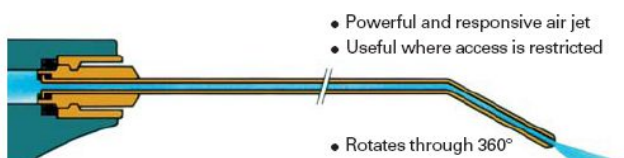


- Powerful and responsive air jet
- Useful where access is restricted

0690 05 angled tube nozzle (long)

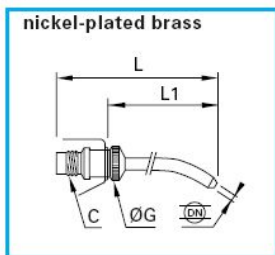


C	DN		G	L	L1	kg
M12x1,25	2,5	0690 05 00	15	316	292	0,065

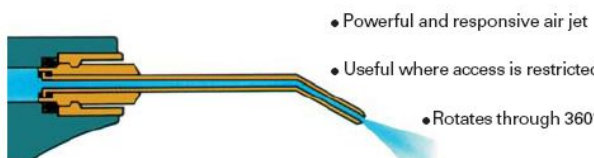


- Powerful and responsive air jet
- Useful where access is restricted
- Rotates through 360°

0690 06 angled tube nozzle (short)



C	DN		G	L	L1	kg
M12x1,25	2,5	0690 06 00	15	94	70	0,035



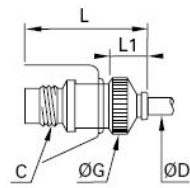
- Powerful and responsive air jet
- Useful where access is restricted
- Rotates through 360°

interchangeable nozzles for universal blowgun 0652

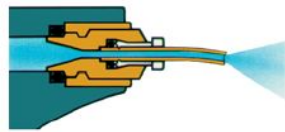
0690 07 safety nozzle



nickel-plated brass



ØD	C		G	L	L1	$\frac{1}{kg}$
4	M12x1,25	0690 07 00	15	35	12,7	0,025

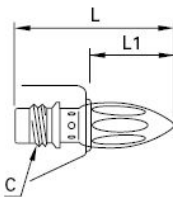


- Fluidised powders
- Choose either nylon or polyurethane tube for use where access is restricted

0690 08 coanda effect nozzle



nickel-plated brass



C		L	L1	$\frac{1}{kg}$
M12x1,25	0690 08 00	47,5	26	0,033

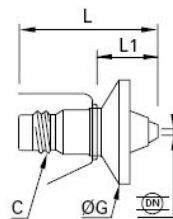


- Precise air jet
- Very quiet
- Energy saving
- Safe, because its shape makes it difficult to obstruct the opening of the nozzle

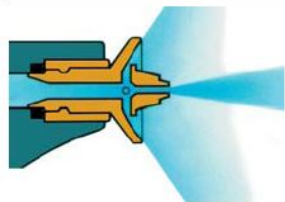
0690 09 air screen nozzle



nickel-plated brass



C	DN		G	L	L1	$\frac{1}{kg}$
M12x1,25	2	0690 09 00	30	40,5	18,5	0,021

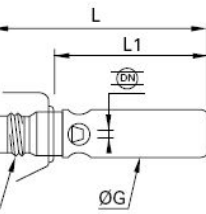


- An air screen and an air deflector prevent dust and swarf being blown back at the operator
- No risk of overpressure when nozzle is blocked

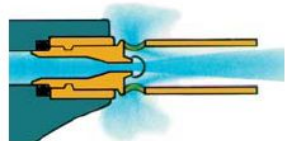
0690 10 booster nozzle



nickel-plated brass



C	DN		G	L	L1	$\frac{1}{kg}$
M12x1,25	2,5	0690 10 00	15	64	42	0,038

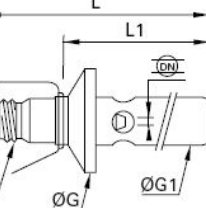


- Improved air flow, especially suited for use with large areas
- Saves energy by venturi method of increasing air flow
- Lower speed air flow

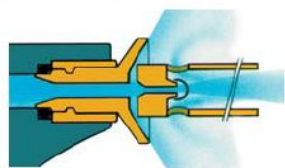
0690 11 booster nozzle with air screen



nickel-plated brass
deflector – engineering grade plastic



C	DN		G	G1	L	L1	$\frac{1}{kg}$
M12x1,25	2,5	0690 11 00	30	15	76	54	0,046



- Has the same venturi features as the booster nozzle
- No risk of overpressure when nozzle is blocked
- An air screen and an air deflector prevent dust and swarf being blown back at the operator