

# ACCESSORIES

***COUPLINGS HOSES FILTERS  
GOVERNORS LUBRICATORS***

**Compressed air systems  
accessories**

**Fiam**  
PEOPLE AND SOLUTIONS

Be demanding

Don't be satisfied  
with the maximum

Perfection is  
in your hands

Naturally  
innovative

## FIAM ACCESSORIES. A VALUABLE CHOICE

Fiam accessories represent a 'valuable choice' because they are designed and built to guarantee **long life, great reliability and the best performances** of the air and electric tools.

These advantages results in less maintenance and repair costs and a considerable increase of the **efficiency of the productive cycles**.

Alike all Fiam solutions, accessories **respect ergonomic criterias and maximum operator's safety**; they are designed with great attention to **environment safeguard**.


Available in customized version based on the customer's requirements, they are able to satisfy every customer's need.

Selection of tool, accessory and compliance with correct way of use are the factors that highly contribute in warranting "job quality"; by means of an ergonomic workplace design: an essential base of worker health, productivity and finished product quality.

## FIAM SERVICE: ALWAYS CLOSE TO ITS CUSTOMER

Fiam, together with its solutions, offers a wide range of **services in order to optimize, in terms of safety and ergonomics, the productive processes of its customers**: from the choice of the tools and the accessories to the suggestions about correct operator's posture and the correct use of ergonomic tools.

For all further details, please apply to Fiam Technical Consultancy Service.




**Ergotech project**  
Having full knowledge of the ergonomics needs and of the safety of the operator, Fiam optimizes the performances of its tools and offers consulting and qualified training for the correct use

# Compressed air systems accessories

Compressed air system and accessories are essential for any manufacturing company since they are **key factors to run air tools properly thus influencing productivity** and operational costs.

The importance of accessories such as FRL groups, the appropriate choice of feeding air hoses, of quick coupling, air feeding adjustment according to working conditions are **factors to keep under control in order to prevent downtimes, unexpected breaks and production losses also allowing energetic savings thus lowering overhead costs.**

Also keep in mind the **several ergonomic advantages** the use of such accessories brings to the workplaces in terms of environment safeguard and operator's comfort.



**ERGONOMIC NOTE**  
*The recommended dynamic air pressure is 6,3 bar. In order to prevent compressed air leakage it is important that all accessories (couplings, nipples, ...) feature appropriate gaskets.*

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## FRL GROUP - Filter, pressure regulator, lubricator

The FRL group is **recommended for filtering, regulating and lubricating the compressed air supply** for air tools.

This system **eliminates solids and humidity** while supplying a precise air flow and suitable lubrication.

Where necessary, it is **indicated for obtaining the required torque values by adjusting the pressure of the air supply.**



Threaded attack	Flow rate	Complete assembly	Reduction compl. of gauge	Lubricator
mm	l/s	Code	Code	Code
1/4" gas	1,7÷16	697331020	697331025	697281020
3/8" gas	4,2÷20	697351020	697351025	697291020
1/2" gas	8÷43	697371020	697371025	697301020

## RUBBER SUPPLY HOSES – with couplings

Rubber supply hoses with coupling made with **inner duct in synthetic rubber and high resistance reinforced textile chase.**

They can be used with compressed air, water, cutting oil and antifreeze liquids. They are extremely flexible and versatile and above all **safe and resistant in time.**

To choose the most suitable supply hose, refer to the recommended hose bore given in the Catalogue. Upon request, hoses of other dimensions are available: please apply to the Fiam Technical Consultancy Service.



### ERGONOMIC NOTE

The recommended dynamic air pressure is 6,3 bar. Thus is necessary to select adequate hoses for air flow in order to properly feed power tools.

Hose	Length	Male coupling	Male coupling	Code
Ø internal x Ø external mm	mm			
4,8 x 9,4	3000	1/8" gas	1/4" gas	693511020
6,3 x 12,7	3000	1/4" gas	1/4" gas	693511021
9,5 x 15,9	3000	1/4" gas	1/4" gas	693511022
9,5 x 15,9	3000	3/8" gas	3/8" gas	693511023
12,7 x 19,8	3000	1/2" gas	1/2" gas	693511024

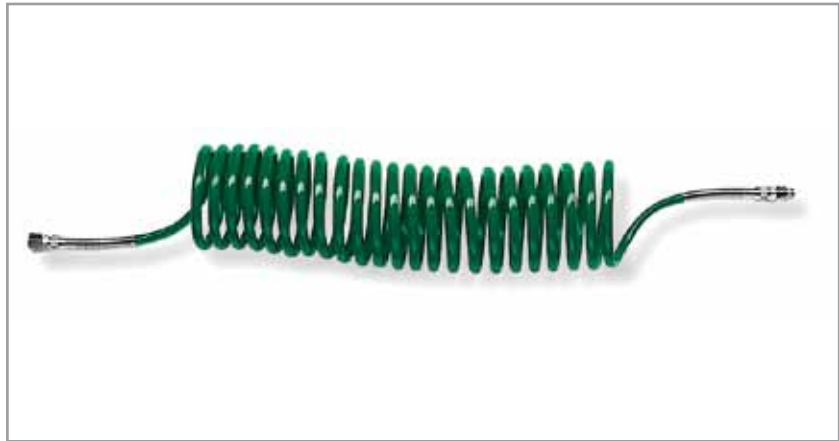
Ø internal = recommended hose bore

## SPIRAL SUPPLY HOSES – with couplings

Polyurethane spiral supply hoses with a maximum extended length of 8 m.

**Extremely flexible and resistant,** they take up **less space thanks to their reduced external diameters.**

To choose the most suitable supply hose, refer to the recommended hose bore given in the Catalogue.



### ERGONOMIC NOTE

The recommended dynamic air pressure is 6,3 bar. Thus is necessary to select adequate hoses for air flow in order to properly feed power tools.

Polyurethane hose (green)	Length	Swivelling male coupling	Fixed female coupling	Code
Ø internal x Ø external mm	mm			
6,5 x 10	1180 ÷ 8000	1/4" gas	1/4" gas	693011015
8 x 12	1140 ÷ 8000	1/4" gas	1/4" gas	693011020

## AIR FLOW GOVERNORS

- With 6 positions scaled control
- With micrometer screw control

Indicated for obtaining the required torque values by adjusting the air supply. Strongly recommended for use with screwdrivers without clutch. The less air is supplied = the less torque is yielded



Governor with scaled control



Governor with micrometer screw control

Capacity max	Coupling M/F	Code
6 l/s	1/4" gas	697451000

Capacity max	Coupling M/F	Code
20 l/s	1/4" gas	697431000

## FLEXIBLE COUPLING

These devices, which turn 360° around the axis and are inclined by 45° on the flat, **prevent twisting and throttling of air hose which impede compressed air flow** compromising power tools performances. They are light and compact but highly robust being made of chrome-steel.



### ERGONOMIC NOTE

Their **maximum handling improves the working conditions**, preventing non-correct posture of the hand-arm system of the operator.

Model	Coupling M/F	Code
NFA 2F-2M	1/4" gas	695091015
NFA 3F-3M	3/8" gas	695091020

## QUICK COUPLING

To choose the most suitable quick coupling, refer to the air inlet and the recommended hose bore in the Catalogue.



Male



Female



### ERGONOMIC NOTE

"Anti-whiplash" quick couplings with safety devices to prevent the accidental opening of the coupling are available upon request. For further information please apply to the Fiam Technical Consultancy Service.

Recommended hose bore	Air inlet threading	Male quick coupling	Female quick coupling
mm		Code	Code
Ø 5 mm	1/8" gas	695411018	695431018
Ø 6 mm	1/4" gas	695411014	695431014
Ø 8÷10 mm	1/4" gas	695411114	695431114
Ø 13 mm	3/8" gas	695411138	695431138
Ø 16 mm	1/2" gas	695411212	695431212

## QUICK NIPPLES

To choose the most suitable quick nipples, refer to the air inlet and the recommended hose bore in the Catalogue.



Male



Female



### ERGONOMIC NOTE

The recommended dynamic air pressure is 6,3 bar. Thus is necessary to select adequate hoses for air flow in order to properly feed power tools.

Recommended hose bore	Air inlet threading	Male quick nipple	Female quick nipple
mm		Code	Code
Ø 5 mm	1/8" gas	695311018	695331018
Ø 6 mm	1/4" gas	695311014	695331014
Ø 8÷10 mm	1/4" gas	695311114	695331114
Ø 13 mm	3/8" gas	695311138	695331138
Ø 16 mm	1/2" gas	695311212	695331212

## EXHAUST AIR HOSE CONVEYORS

Important device used to convey and **drive away the tool exhaust air from the operator.**

Therefore they make the workplace more ergonomic.



For air screwdrivers series	Code	
15C...A; 15C...A30/90 CZ... AZ...	693759050	
26C...A	693759060	
CSEZ...PURAS	693751002	
CY... A...Y	693751003	
CZ...PR1	693751005	
AS... A6RSA1 CSI12 A6RS1 AD...	693751006	
RSE...P CDE...P CSI12P1 15C...P 26C...P	693751009	

## LUBRICATING OIL FOR AIRTOOLS

Used to correctly lubricate the motor group internal components of air tools.

1 Lit. bottle



Code

699011008

Fiam cannot be held responsible for any consequences deriving from the use of the information in the table when evaluating risks in the work place over which Fiam has no control.

## GETTING ACQUAINTED WITH SAFETY



Ask immediately

- the **CD-ROM** intended for work station designers as well as and field managers
- the **BOOKLET WORKERS**

To be used when carrying out training courses as foreseen by the European Norm

# Fiam

PEOPLE AND SOLUTIONS

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