



**FAP Srl**

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## TECHNICAL DATA – EXTRUSION LINE EXT 942

### 01 GENERAL INFORMATION

FAP's extrusion line EXT 942 produces **polyethylene (PE)** and **polypropylene (PP) expanded film** using "Direct Gasing" extrusion technology that can be used in all production fields where it is necessary to insulate, package, protect (for example in building, electric and electronic, mechanical, automotive, food industries, packaging).

<b>Raw materials</b>	PE/PP granule
<b>Expansion agent</b>	isobutane /normal butane gas
<b>Foam's characteristic:</b>	non cross-linked, 100% recyclable, flexible, innovative, technical, resistant, high-performance, does not emit toxins, does not cause allergic reactions, practical, universal.
<b>Foam's density:</b>	PE 18 : 150 kg/m <sup>3</sup> PP 30 : 200 kg/m <sup>3</sup>
<b>Foam's widths:</b>	PE 1000 : 2500 mm PP 1000 : 2500 mm
<b>1 Kg of PE/PP composition:</b>	70 ÷ 95 % raw material of PE / PP, 5 ÷ 30% additives (stabilizers, nucleating, talc, colorants, gas, etc.)
<b>Gas consumption:</b>	30 : 120 Kg/h
<b>Power consumption:</b>	400 Kw/h
<b>Water consumption:</b>	300 liters/month
<b>Max. production capacity</b>	PE 240 : 700 kg/h PP 280 : 700 kg/h
<b>Approximate production capacity</b>	PE 124.550 m <sup>3</sup> /year PP 68.900 m <sup>3</sup> /year

### 02 GOODS & SERVICES

- FAP offers full extrusion lines, machines for the treatment of granulated blends, extrusion gas controlling unit, gravimetric dosers units, equipment for the treatment of the film and winding units, additional equipment for foam conversion.
- Know-how: FAP provides the specific advanced knowledge of all production processes.
- FAP guarantees post-sale technical support for the successful management and maintenance, rapid supply of spare parts, immediate assistance for any kind of support, concerning production, development of the product scale, etc.
- Warranty for FAP machinery excluding wearing parts is 12 month from the delivery date (to be determined in contract).

<b>MACHINERY STRUCTURE</b>
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<b>01</b>	<b>DOSERS</b> Automatic feeder; High precision gravimetric doser unit with 5 stations; Dosers' support structure.
<b>02</b>	<b>EXTRUDER's BODY</b> <b>Complete extruder EXT 942 with control tools for temperature and pressure.</b> Extruder                                      Twin Screw Extruder 942 Motor Power                                 Kw 200 Heating Power                               Kw 250 Tot. Installed Power                       Kw 450 (only Extruder)
<b>03</b>	<b>EXTRUSION HEAD</b> <b>Extrusion Head for production of normal thickness foam (1:5 mm)</b>  Optional: - <b>Extrusion Head for production of Thick Thickness (5:25 mm)</b> - <b>Pipe Extrusion Head with associated and additional equipment*</b> ; (* Water cooling units, Extraction and cutting of tubes; Manual winder for pipes; Extruder with the head for the lamination of the film to the outside of the tubes coverage.)
<b>04</b>	<b>CALIBRATING UNITS FOR WIDTHS</b>
<b>05</b>	<b>GROUP FOR SUPPORT, DISTENSION AND COOLING OF FOAM</b>
<b>06</b>	<b>AUTOMATIC WINDER</b> <b>Two axis winder with automatic cutting and core glue system.</b> Type AVV 27.2 LW (for example) Width film                                    2550 mm Max. Weight                                 60 Kg Speed   160 m/minute'
<b>07</b>	<b>HIGH PRESSURE GAS</b>
<b>08</b>	<b>WATER CHILLER (can be purchased by client)</b>
<b>09</b>	<b>MACHINERY TO COMPLETE PRODUCTION</b> Cutting On-Line group with blades and aspirators; Laminator ON-LINE; Laminator OFF-LINE; Unwinder for laminator; Laminator for multilayer foam production; Cutting and welding machines for sheets and bags; Cutting machines for plates and angular protection formats; Punch machines and tubular welding.

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