



FAP Srl

Via G.Verga, 5 | 20842 Besana Brianza (MB) | Italy
tel. +39 0362 994943 | fax +39 0362 942256 | www.fapitaly.com | info@fapitaly.com



TECHNICAL DATA – EXTRUSION LINE EXT 452

01 GENERAL INFORMATION

FAP's extrusion line EXT 452 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).

Raw materials	PE/PP granule
Expansion agent	isobutane /normal butane gas
Foam's characteristic:	non cross-linked, 100% recyclable, flexible, innovative, technical, resistant, high-performance, does not emit toxins, does not cause allergic reactions, practical, universal.
Foam's density:	PE 16 : 40 kg/m ³ PP 30 : 80 kg/m ³
Foam's widths:	PE 800 : 1600 mm PP 600 : 1200 mm
1 Kg of PE/PP composition:	70 ÷ 95 % raw material of PE / PP, 5 ÷ 30% additives (stabilizers, nucleating, talc, colorants, gas, etc.)
Gas consumption:	8 : 25 Kg/h
Power consumption:	80 Kw/h
Water consumption:	70 liters/month
Max. production capacity	PE 140 kg/h PP 140 kg/h
Approximate production capacity	PE 29.000 m ³ /year PP 18.000 m ³ /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).

MACHINERY STRUCTURE

01	DOSERS
Automatic feeder; High precision gravimetric doser unit with 4 stations; Dosers' support structure.	
02	EXTRUDER's BODY
Complete extruder EXT 452 with control tools for temperature and pressure.	
Extruder Twin Screw Extruder 452	
Motor Power Kw 30	
Heating Power Kw 90	
Tot. Installed Power Kw 120 (only Extruder)	
03	EXTRUSION HEAD
Extrusion Head for production of normal thickness foam (0,8:5 mm)	
Optional: Pipe Extrusion Head with associated and additional equipment*; (* 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.)	
04	CALIBRATING UNITS FOR WIDTHS
05	GROUP FOR SUPPORT, DISTENSION AND COOLING OF FOAM
05	AUTOMATIC WINDER
Two axis winder with automatic cutting and core glue system.	
Type AVV 17.2 LW	
Width film 1650 mm	
Max. Weight 40 Kg	
Speed 150 mt./minute'	
06	HIGH PRESSURE GAS
07	WATER CHILLER (can be purchased by client)
08	MACHINERY TO COMPLETE PRODUCTION
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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