



## extrex<sup>x6</sup> Y-Adaptor

Twin outlet gear pump for complex extrusion applications



The extrex<sup>x6</sup> Y-Adaptor unites two extrex <sup>x6</sup> class gear pumps to ensure optimum efficiency and cost-effectiveness in extrusion systems. The extrex<sup>x6</sup> Y-Adaptor can be used with an extruder to feed two different die packs with a separate, constant melt stream each. Separate discharges from the individual gear wheel pairs are guaranteed thanks to the design and can be adjusted by changing the speed of the individually controlled drives. The extrex <sup>x6</sup> class gear pump portfolio allows customers to choose between different thrust pieces to suit their application.

### Your benefits

- Simplified system design for manufacturing multi-layered films with a variable layer structure
- Improved discharge consistency when multiple nozzle heads are used in profile systems
- Wider, more flexible range of applications
- Short dwell times
- Compact design
- Excellent self-cleaning properties

# extrex<sup>6</sup> Y-Adaptor

## Twin outlet gear pump for complex extrusion applications



x<sup>6</sup> class

### Areas of use

- Polyolefins
- Polyester
- Polyamide
- Polycarbonate
- Styrenic polymers
- Expandable polystyrene
- ABS/SAN
- Fluoropolymers
- TPE
- Others on request

### Accessories

- Support and base frames
- Adaptor flange
- Sensors
- Controllers, expac® all-inclusive solutions
- Drives

### Options

- Different clearance classes
- Liquid heating system with hole network
- Melt pressure/temperature sensor holes in the housing
- Application-specific selection of materials
- Cooling for shaft packing
- Special seal types

### Technical specifications:

<b>Housing:</b>	Alloy steel
<b>Heating:</b>	Electric/fluid

### Application limits:

<b>Viscosity:</b>	Up to 30,000 Pa·s
<b>Temperature:</b>	Up to 350°C
<b>Inlet pressure:</b>	Up to 120 bar

This innovative gear pump technology allows you to consolidate production capacities and improve efficiency in extrusion lines, thus reducing both investment and staffing costs.

The extrex<sup>6</sup> class series also reduces complexity in extrusion lines as a larger extruder and the extrex<sup>6</sup> Y-Adaptor can replace two smaller extruders. Downtimes are also cut for production lines where different die packs are used to produce different end products.

The pumps are heated electrically or with fluids, depending on requirements and are available in special materials. The pumps are suitable for new production lines and as a retrofit to existing extrusion systems.

GPD size	x <sup>6</sup> size	Pressure class
28	25	GU / EP / SP / MP
36	32	GU / EP / SP / MP
45	40	GU / EP / SP / MP
56	50	GU / EP / SP / MP
70	63	GU / EP / SP / MP
90	80	GU / EP / SP / MP

extrex <sup>6</sup>	GU	EP	SP	MP
<b>Outlet pressure in bar:</b>	370	max. 440	max. 520	max. 620
<b>Differential pressure in bar:</b>	250	max. 320	max. 400	max. 500
<b>Pump size:</b>	25–160	25–160	32–125	32–125
<b>Specific volume cm<sup>3</sup>/U:</b>	12–3,082	10–2,465	15.4–966	12.3–773
<b>Throughput in kg/h:</b>	350–16,000	250–12,000	130–4,000	100–3,500

You will find more detailed information on the extrex<sup>6</sup> Class in the gear pump product leaflet

