



# MetzerFlex

## HDPE Pipes for Water Distribution

Metzer's HDPE pipes are purpose-built for reliable water transport in agricultural irrigation systems, serving as main and sub-main pipes from the pump station to the field. Produced from premium, PE80 and PE100 materials, they comply with ISO 4427-2 standard for HDPE pipes manufacturing, ensuring lasting resistance to abrasion, UV radiation, and corrosion. Outside identification strips and accessories are customized to project requirements as well as flexible connection options including mechanical connectors, butt-welding, or electro-fusing.



### Features & Benefits

- **Exceptional Durability:**  
Resist abrasion, corrosion, and UV for reliable long-term field operation.
- **Water Conservation:**  
Leak-resistant joints and smooth interiors reduce water loss and maximize delivery efficiency.
- **Flexible Installation:**  
Coiled and rod formats suit any terrain, enable easy transport, and reduce Labor costs.
- **High Pressure Capacity:**  
Support working pressures up to 16 bar for diverse irrigation needs.
- **Adaptability for advanced applications**  
proprietary technological solutions such Cleanline® and WasteFlow® can be applied in pipes' internal layers, in order to create a protective anti-bacterial feature.

### Specifications

- MetzerFlex pipes diameter range: 16-355mm
- MetzerFlex pipes are produced according Israeli standards 4427-2.
- Laser marked for QA & supply chain management purposes
- 100% recyclable.
- Packed to be delivered as coils/rods in standard sea-freight containers.
- Pipes are available with external coloured stripes per customer's request
- Pipes are available with a purple-coloured double-layer for effluent water use.
- Pipes are available with a Cleanline® or WasteFlow® internal layer.

## MetzerFlex pipes – Technical Data

Model	Pipe O.D. (mm)	PN (class)	Max working pressure (Bar)	Wall Thickness (mm)	Material class	Packing type Coils (m) /Rod (m)
<b>16/10</b>	16	10	10	1.5	PE80	<b>25,50,100/5.85,11.85</b>
<b>20/10</b>	20	10	10	2	PE80	<b>25,50,100/5.85,11.85</b>
<b>25/6</b>	25	6	6	1.5	PE80	<b>25,50,100/5.85,11.85</b>
<b>25/10</b>	25	10	10	2	PE80	<b>25,50,100/5.85,11.85</b>
<b>25/16</b>	25	16	16	2.3	PE100	<b>25,50,100/5.85,11.85</b>
<b>32/6</b>	32	6	6	1.9	PE80	<b>25,50,100/5.85,11.85</b>
<b>32/10</b>	32	10	10	2	PE100	<b>25,50,100/5.85,11.85</b>
<b>32/16</b>	32	16	16	3	PE100	<b>25,50,100/5.85,11.85</b>
<b>40/6</b>	40	6	6	2	PE80	<b>25,50,100/5.85,11.85</b>
<b>40/10</b>	40	10	10	2.4	PE100	<b>25,50,100/5.85,11.85</b>
<b>40/16</b>	40	16	16	3.9	PE100	<b>25,50,100/5.85,11.85</b>
<b>50/4</b>	50	4	4	2	PE80	<b>5.85,11.85</b>
<b>50/6</b>	50	6	6	2.4	PE80	<b>5.85,11.85</b>
<b>50/10</b>	50	10	10	3	PE100	<b>5.85,11.85</b>
<b>50/16</b>	50	16	16	4.6	PE100	<b>5.85,11.85</b>
<b>63/4</b>	63	4	4	2.5	PE63	<b>5.85,11.85</b>
<b>63/6</b>	63	6	6	3	PE80	<b>5.85,11.85</b>
<b>63/10</b>	63	10	10	3.8	PE100	<b>5.85,11.85</b>
<b>63/16</b>	63	16	16	5.8	PE100	<b>5.85,11.85</b>
<b>75/5</b>	75	4	4	3.1	PE80	<b>5.85,11.85</b>
<b>75/10</b>	75	10	10	4.5	PE100	<b>5.85,11.85</b>
<b>75/12.5</b>	75	12	12	6.3	PE100	<b>5.85,11.85</b>
<b>75/16</b>	75	16	16	6.8	PE100	<b>5.85,11.85</b>
<b>90/6</b>	90	6	6	4.3	PE80	<b>5.85,11.85</b>
<b>90/10</b>	90	10	10	5.4	PE100	<b>5.85,11.85</b>
<b>90/12.5</b>	90	12	12	6.7	PE100	<b>5.85,11.85</b>
<b>90/16</b>	90	16	16	8.2	PE100	<b>5.85,11.85</b>
<b>110/6</b>	110	6	6	5.3	PE100	<b>5.85,11.85</b>
<b>110/10</b>	110	10	10	6.6	PE100	<b>5.85,11.85</b>
<b>110/12.5</b>	110	12	12	8.1	PE100	<b>5.85,11.85</b>
<b>110/16</b>	110	16	16	10	PE100	<b>5.85,11.85</b>
<b>140/6</b>	140	6	6	5.4	PE100	<b>5.85,11.85</b>

## MetzerFlex pipes – Technical Data

Model	Pipe O.D. (mm)	PN (class)	Max working pressure (Bar)	Wall Thickness (mm)	Material class	Packing type Coils (m) /Rod (m)
<b>160/6</b>	160	6	6	6.2	PE100	<b>5.85,11.85</b>
<b>160/8</b>	160	8	8	7.7	PE100	<b>5.85,11.85</b>
<b>160/10</b>	160	10	10	9.5	PE100	<b>5.85,11.85</b>
<b>16/12.5</b>	160	12	12	11.8	PE100	<b>5.85,11.85</b>
<b>160/16</b>	160	16	16	14.6	PE100	<b>5.85,11.85</b>
<b>200/6</b>	200	6	6	7.7	PE100	<b>5.85,11.85</b>
<b>200/8</b>	200	8	8	9.6	P100	<b>5.85,11.85</b>
<b>200/10</b>	200	10	10	13.4	PE100	<b>5.85,11.85</b>
<b>200/16</b>	200	10	10	8.3	PE100	<b>5.85,11.85</b>
<b>225/8</b>	225	6	6	6.2	PE100	<b>5.85,11.85</b>
<b>225/10</b>	225	8	8	7.7	PE100	<b>5.85,11.85</b>
<b>225/16</b>	225	10	10	9.5	PE100	<b>5.85,11.85</b>
<b>250/8</b>	250	12	12	11.8	PE100	<b>5.85,11.85</b>
<b>250/12.5</b>	250	16	16	14.6	PE100	<b>5.85,11.85</b>
<b>280/10</b>	280	6	6	7.7	PE100	<b>5.85,11.85</b>
<b>280/12.5</b>	280	8	8	9.6	P100	<b>5.85,11.85</b>
<b>280/16</b>	280	10	10	13.4	PE100	<b>5.85,11.85</b>
<b>315/10</b>	315	4	1.2	18.7	PE100	<b>5.85,11.85</b>
<b>315/12.5</b>	315	2.5	1.0	23.2	PE100	<b>5.85,11.85</b>
<b>315/16</b>	315	4	1.5	28.6	PE100	<b>5.85,11.85</b>
<b>355/10</b>	355	6	2.3	21.1	PE100	<b>5.85,11.85</b>
<b>355/12.5</b>	355	4	1.9	26.1	PE100	<b>5.85,11.85</b>
<b>355/16</b>	355	6	2.8	21.1	PE100	<b>5.85,11.85</b>

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### Keep in touch!

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