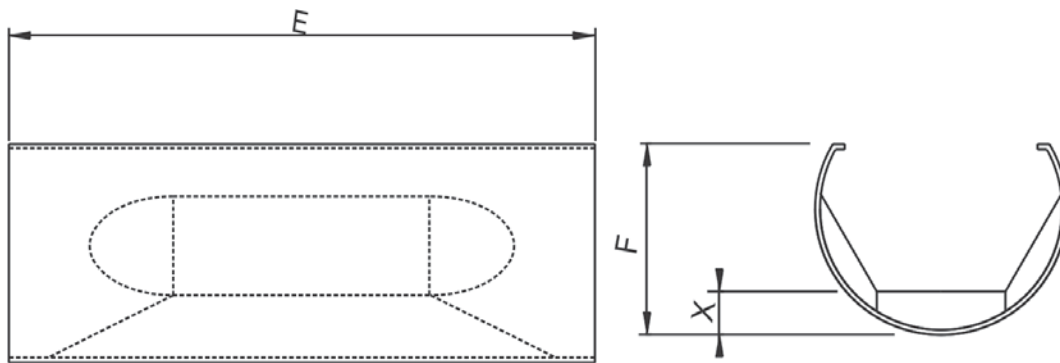


# PALMER BOWLUS

- For flow measurement in outflow pipe or no pressurized pipes
- Direct installation in the pipe or manhole
- Flow rates from 0,45 m<sup>3</sup>/h to 1800m<sup>3</sup>/h
- Matching Sets with all open channel flow measurement systems
- Low cost system
- Ideal to circular duct flowrate measure



Essentially a hydraulic modeler designed to increase, upstream of the restriction, the fluid head during its outflow. The Palmer-Bowlus upstream fluid head, increases or decreases in function of the fluid quantity flowing over it. The head measured by a level transmitter is then used to calculate the instantaneous flow rate value. The Palmer-Bowlus is mainly used in pipes or ducts accessible through the manholes. The easy installation, and the contained installation cost, are the reason for the applications number increasing of this system to measure the flow rate.



	E	F	X
DN100 (4")	250	75	17
DN150 (6")	400	132	29
DN200 (8")	400	125	29
DN250 (10")	600	208	46
DN300 (12")	600	200	46
DN400 (16")	950	340	75
DN500 (20")	950	325	75
DN600 (24")	1450	530	117
DN700 (28")	1450	525	117
DN800 (32")	1450	500	117

## Pre-fabricated Palmer-Bowlus

Insertion installation in already in place pipes

DN pipe (mm)	
100	DN100 (4"); range 0,45÷8m <sup>3</sup> /h (max.8.9m <sup>3</sup> /h)
150	DN150 (6"); range 0,68÷21m <sup>3</sup> /h (max. 22m <sup>3</sup> /h)
200	DN200 (8") - with 2 spacing bars; range 1,2÷50m <sup>3</sup> /h (max. 52m <sup>3</sup> /h)
250	DN250 (10"); range 1,29÷80m <sup>3</sup> /h (max.82m <sup>3</sup> /h)
300	DN300 (12") - with 2 spacing bars; range 2,27÷100m <sup>3</sup> /h (max.102m <sup>3</sup> /h)
400	DN400 (16"); range 2,23÷256m <sup>3</sup> /h (max. 262m <sup>3</sup> /h)
500	DN500 (20") - with 3 spacing bars; range 5,34÷490m <sup>3</sup> /h (max.496m <sup>3</sup> /h)
600	DN600 (24"); range 10÷700m <sup>3</sup> /h (max. 709m <sup>3</sup> /h)
700	DN700 (28"); range 15÷1150m <sup>3</sup> /h (max. 1177m <sup>3</sup> /h)
800	DN800 (32") - with 4 spacing bars; range 18÷1800m <sup>3</sup> /h (max. 1841m <sup>3</sup> /h)
Construction materials	
A	Fiberglass
Z	Special
Accessories	
0	None
2	Holder (835A027R)
3	FLOWMETER holder (835B027R)
9	Special