

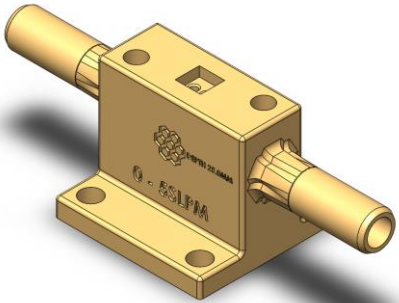
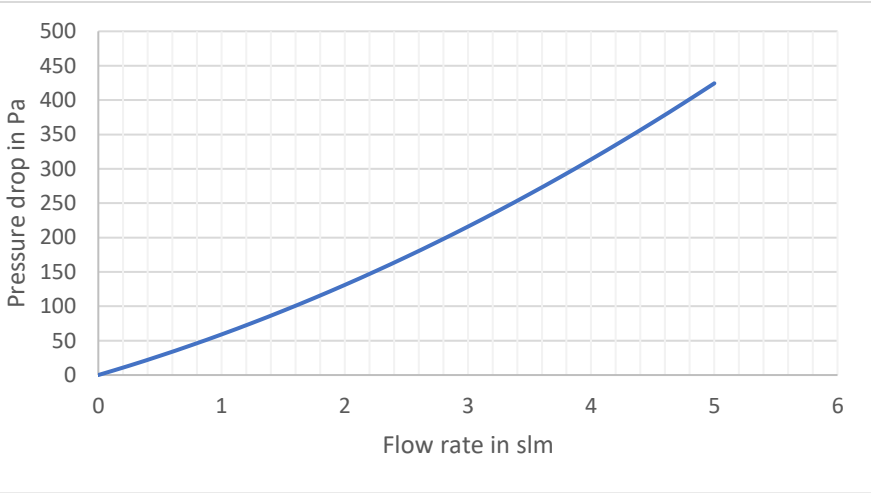
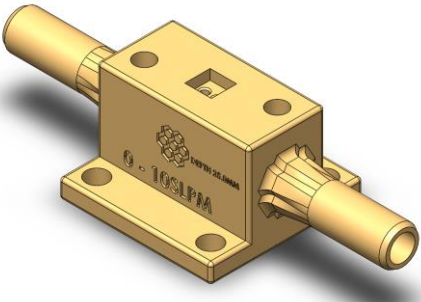
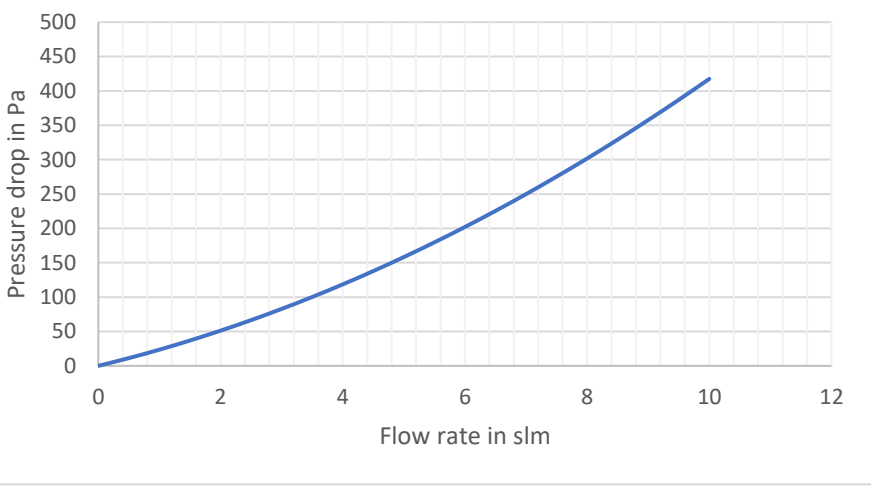


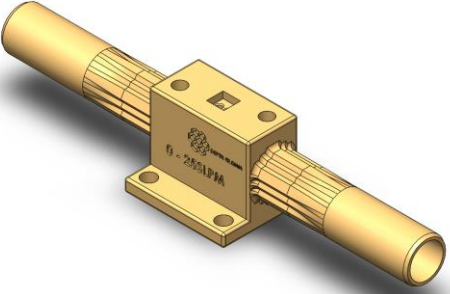
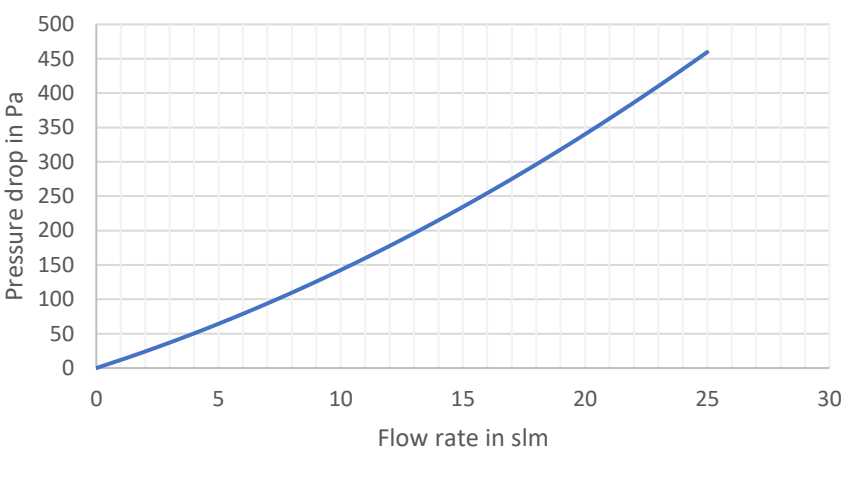
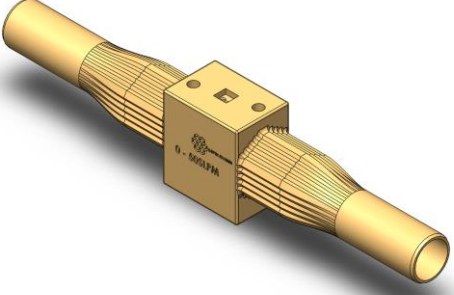
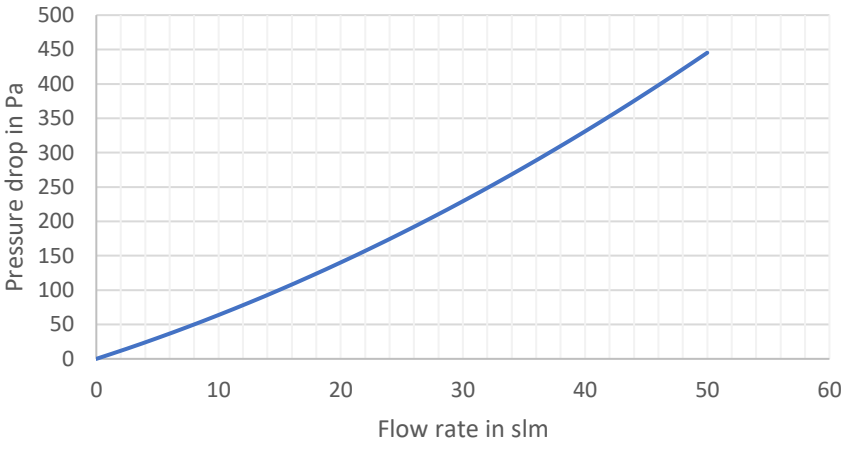
Introduction

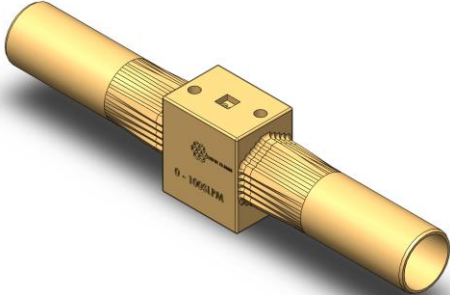
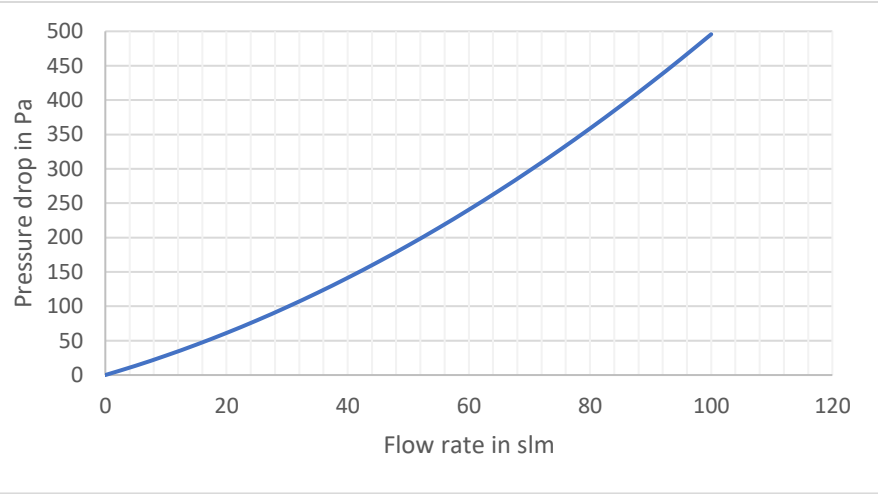
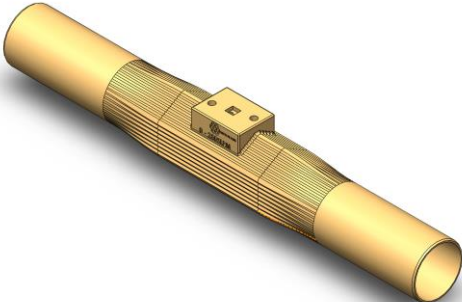
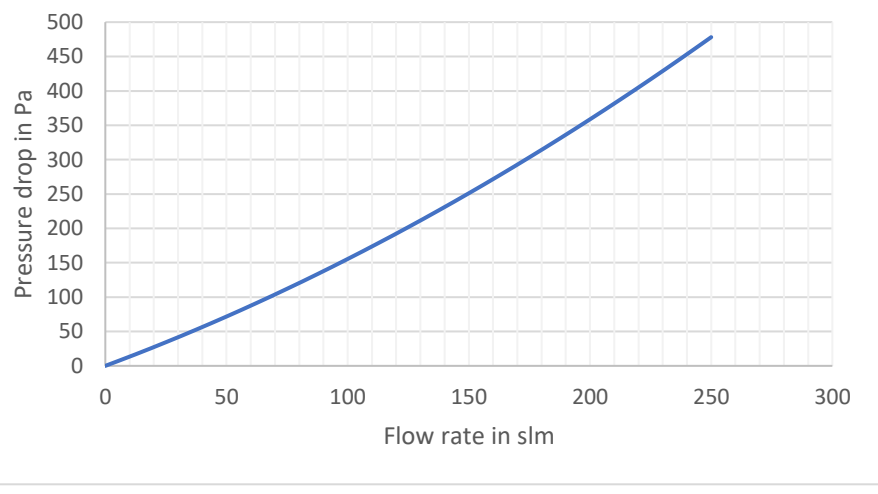
The FLS110 Evaluation kit is provided with a fluidic fixture to make integrating it with your existing system easier. To cater for a range of different flow rates and pressure drops we provide a number of different sized fixtures. To help you identify the most appropriate fixture for your application we provide the pressure drop – flow rate characteristics for each fixture.

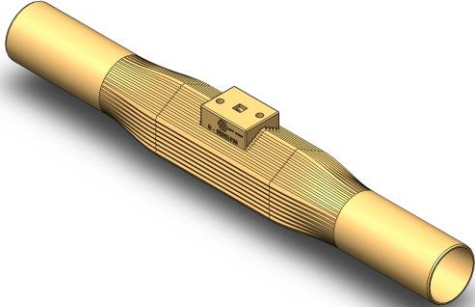
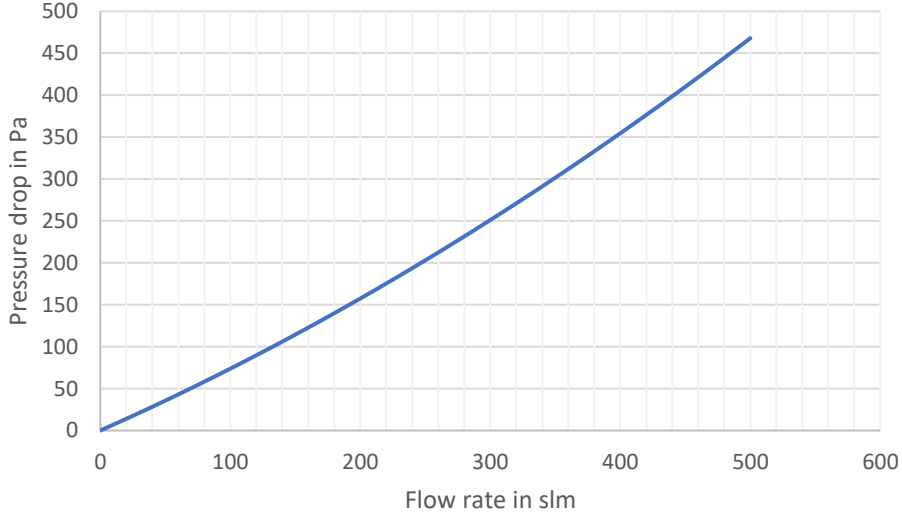
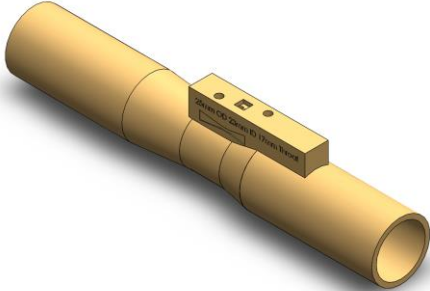
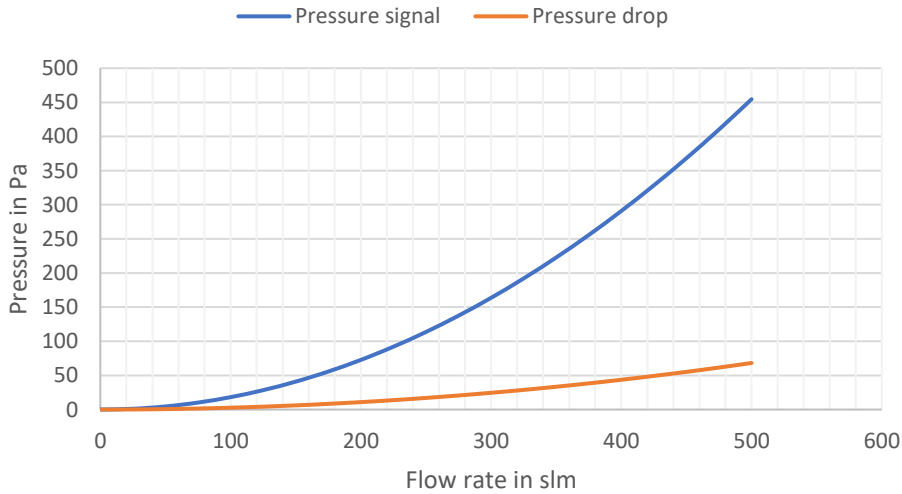
In the absence of any specific system requirements, we would suggest targeting a pressure drop in the flow fixture of approximately 10% of the total system pressure drop at the maximum flow rate.

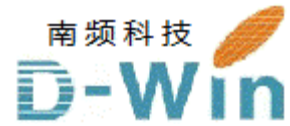
Please refer to application notes [Working with the FLS110](#) and [Mechanical and Fluidic Integration](#) for more information on how to use these fluidic fixtures.

Fixture	Dimensions	Pressure Drop – Flow rate characteristic														
5 slm FL-000673-DW-1	Inlet OD: 6 mm Length x Width x Height: 59.2 x 24 x 19.5 mm 	 <table border="1"> <caption>Pressure Drop vs Flow Rate for 5 slm Fixture</caption> <thead> <tr> <th>Flow rate (slm)</th> <th>Pressure drop (Pa)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1</td><td>85</td></tr> <tr><td>2</td><td>170</td></tr> <tr><td>3</td><td>255</td></tr> <tr><td>4</td><td>340</td></tr> <tr><td>5</td><td>425</td></tr> </tbody> </table>	Flow rate (slm)	Pressure drop (Pa)	0	0	1	85	2	170	3	255	4	340	5	425
Flow rate (slm)	Pressure drop (Pa)															
0	0															
1	85															
2	170															
3	255															
4	340															
5	425															
10 slm FL-000674-DW-1	Inlet OD: 6 mm Length x Width x Height: 60.5 x 24 x 15.75 mm 	 <table border="1"> <caption>Pressure Drop vs Flow Rate for 10 slm Fixture</caption> <thead> <tr> <th>Flow rate (slm)</th> <th>Pressure drop (Pa)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>2</td><td>85</td></tr> <tr><td>4</td><td>170</td></tr> <tr><td>6</td><td>255</td></tr> <tr><td>8</td><td>340</td></tr> <tr><td>10</td><td>425</td></tr> </tbody> </table>	Flow rate (slm)	Pressure drop (Pa)	0	0	2	85	4	170	6	255	8	340	10	425
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0	0															
2	85															
4	170															
6	255															
8	340															
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Fixture	Dimensions	Pressure Drop – Flow rate characteristic
25 slm FL-000675-DW-1	Inlet OD: 10 mm Length x Width x Height: 98 x 24 x 19 mm 	
50 slm FL-000676-DW-1	Inlet OD: 12.5 mm Length x Width x Height: 132.5 x 17 x 26.25 mm 	

Fixture	Dimensions	Pressure Drop – Flow rate characteristic														
<p>100 slm FL-000677-DW-1</p>	<p>Inlet OD: 16 mm Length x Width x Height: 126.5 x 18 x 26.25 mm</p> 	 <table border="1"> <caption>Pressure Drop – Flow rate characteristic for 100 slm fixture</caption> <thead> <tr> <th>Flow rate in slm</th> <th>Pressure drop in Pa</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>20</td><td>100</td></tr> <tr><td>40</td><td>200</td></tr> <tr><td>60</td><td>300</td></tr> <tr><td>80</td><td>400</td></tr> <tr><td>100</td><td>500</td></tr> </tbody> </table>	Flow rate in slm	Pressure drop in Pa	0	0	20	100	40	200	60	300	80	400	100	500
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0	0															
20	100															
40	200															
60	300															
80	400															
100	500															
<p>250 slm FL-000678-DW-1</p>	<p>Inlet OD: 25 mm Length x Width x Height: 205 x 26 x 32.5 mm</p> 	 <table border="1"> <caption>Pressure Drop – Flow rate characteristic for 250 slm fixture</caption> <thead> <tr> <th>Flow rate in slm</th> <th>Pressure drop in Pa</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>50</td><td>96</td></tr> <tr><td>100</td><td>192</td></tr> <tr><td>150</td><td>288</td></tr> <tr><td>200</td><td>384</td></tr> <tr><td>250</td><td>480</td></tr> </tbody> </table>	Flow rate in slm	Pressure drop in Pa	0	0	50	96	100	192	150	288	200	384	250	480
Flow rate in slm	Pressure drop in Pa															
0	0															
50	96															
100	192															
150	288															
200	384															
250	480															

Fixture	Dimensions	Pressure Drop – Flow rate characteristic
500 slm FL-000679-DW-1	Inlet OD: 25 mm Length x Width x Height: 225 x 30 x 37 mm 	
500 slm FL-000622-DW-1 The venturi fixture provides a greater pressure signal than its total pressure drop. The system pressure drop is shown in orange.	Inlet OD: 25 mm Length x Width x Height: 200 x 25 x 33 mm 	



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