



## PRODUCT DESCRIPTION

The Caladen gas/water block connector has an internal seal that can be open to permit blowing through, or closed so the seal contacts the fibre or fibre cable and prevents the flow of gas or water through the micro duct. When selecting a gas/water block connector, chose by noting both the microduct size and also the fibre or fibre cable to be accommodated inside.

By selecting the correct gas block, various sizes of fibre and fibre cable can be accommodated.

Gas block in operation.

Select the appropriate fitting regarding duct outside diameter and internal fibre being accommodated. Following fibre blowing tighten down the screw collar on the fitting so a gas tight seal is enabled between the inner silicon sealing medium and the internal fibre or fibre cable. Do not tighten collar if blowing is to occur post connector installation.

## CALADEN GAS/WATER BLOCK STRAIGHT CONNECTORS

Caladen Part Number	Straight connectors (same duct each end) mm	Cable Range mm
2050535	5	0.5 - 3.5
2070146	7	1 - 4.6
2080146	8	1 - 4.6
2100306	10	3 - 6
2100508	10	5 - 8
2120306	12	3 - 6
2120508	12	5 - 8
2120710	12	7 - 10
2140306	14	3 - 6
2140508	14	5 - 8
2140710	14	7 - 10
2140912	14	9 - 12
2160306	16	3 - 6
2160508	16	5 - 8
2160710	16	7 - 10
2160912	16	9 - 12
2180306	18	3 - 6
2180508	18	5 - 8
2180710	18	7 - 10
2180912	18	9 - 12

## REDUCER CONNECTORS

Caladen Part Number	Reducer connectors (to connect unequal duct sizes) mm	Cable Range mm
2750535	7x5	0.5 - 3.5
2870146	8x7	1 - 4.6





# GAS & WATER BLOCKING MICRODUCT CONNECTORS/FITTINGS 2022



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## MATERIALS

Component	Material
Body	Clear PC
Collet	POM
Grip Ring	Stainless Steel
O-Ring	Nitrile Rubber
Gas/Water Seal	Silicon

## INSERTION FORCE

Max: 50N

## WATER INGRESS

Water tight to 0.5 bar @ 20C

## GAS TIGHTNESS

Gas tight to 0.5 bar @ 20C



## PRESSURE IN OPERATION

Continuous up to 16 Bar

20CBurst Pressure exceeds 25bar

Sealing pressure: 5m Waterhead



## TEMPERATURE IN OPERATION

Minimum: -25C  
Maximum: +60C

## ALLOWABLE LEAK RATE

1 ml/min

## RETENTION FORCE

5mm tube: 55N  
8-10mm tube: 125N

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