

# THE DOUBLE SEAL SYSTEM

**Sizes: 3/4"-12" (16-320mm)**

## Purge pipes fast with minimal gas usage

TAG also manufactures The Silicone Double Seal purging system that has been designed to further reduce both inert gas use and purging time. These systems, use silicon discs to form an air tight seal, reducing purge times, and gas usage for maximum efficiency.

There are 2 styles of silicon double seal systems available:

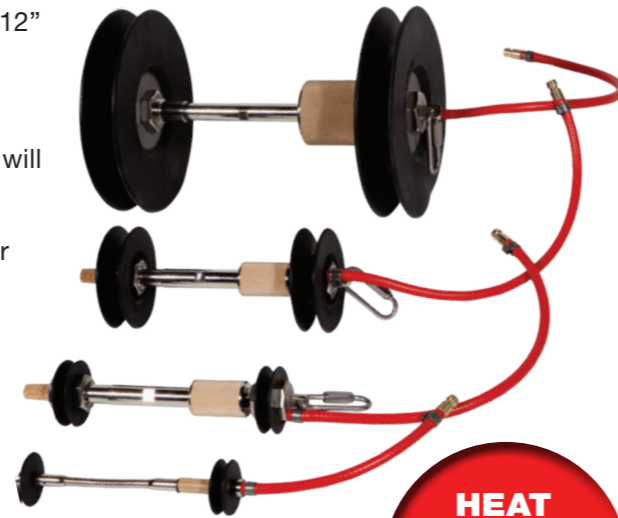
- The Gas Finger system is designed for small pipes and tubes from 16 – 38mm i/d
- The Double Seal systems are made for pipes from 1 1/2" to 12"

## Features and advantages

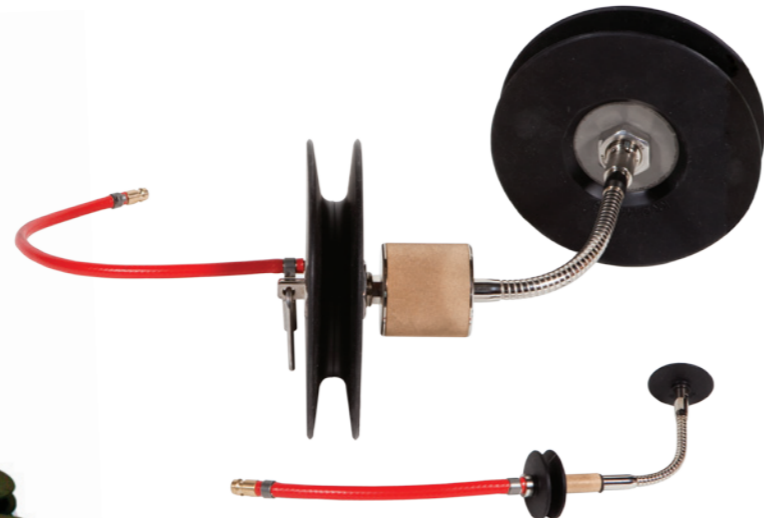
- Typical purge times of less than 2 minutes (e.g. an 8" Pipe will purge to below 0.01% Oxygen in less than 2 minutes)
- High quality silicon sealing disks that prevent them tilting or falling over inside the pipe.
- Guaranteed gas tight seal.
- UV and temperature resistant up to 330°C continuously or 450°C for shot periods.
- Suitable for purging pipes, elbows and fittings.
- The silicon seal units can be separated and used as a gas finger and pipe stopper respectively.



Single Gas Finger for smaller pipe and tubes.



**HEAT RESISTANT TO 450°C**



Show with flexible hose connection for purging elbows and fittings.



Available as a kit for 16-165mm (DSK16-165)

## How it works

The gas inlet and outlet are provided with twin sealing discs separated by a flexible, rigid or a spring-type tube. The design also guarantees that at least one disc will always remain tight to the pipe wall creating a 100% seal. The discs are UV and temperature-resistant up to 330°C for up to one hour. The gas is diffused into the chamber via the built in sintered diffuser and exits through the exhaust holes in the secondary twin disc unit. This process of gas diffusion provides an even flow of gas and prevents any gas turbulence behind the weld, thereby minimising the risk of oxygen in the welding chamber while, at the same time, achieving an extremely short purge time. These extremely short purge times result in valuable cost savings in gas and time.

Besides the very short purging time, the Silicon Seal System also offers the possibility to cover various nominal pipe diameters by one pair of baffles enabling highly economic use of the device.

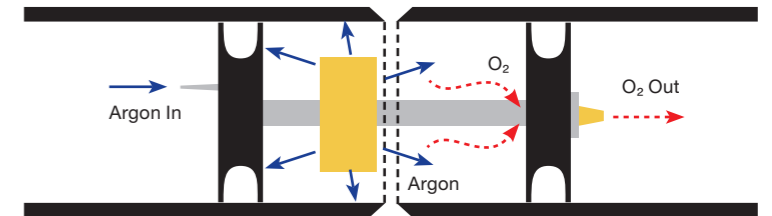
The double seal system can be purchased individually or in kit form for a range of pipe diameters.



Gas inlet push fitting universal on all sizes.



Supplied with a carabiner and insulated withdrawal cable for sizes 38mm upwards for ease of withdrawal from the pipe.



## Sizing and specification

PART N°	TYPE	PIPE i/D RANGE	HOSE LENGTH
DS16-19	Flex	16-19 mm	100 mm
DS19-24	Flex	19-24 mm	100 mm
DS24-29	Flex	24-29 mm	100 mm
DS29-34	Flex	29-34 mm	100 mm
DS34-38	Flex	34-38 mm	100 mm
DS38-43	Flexible and rigid	38-43 mm	120/60 mm
DS43-48	Flexible and rigid	43-48 mm	120/60 mm
DS47-53	Flexible and rigid	47-53 mm	120/60 mm
DS52-58	Flexible and rigid	52-58 mm	120/60 mm
DS64-72	Flexible and rigid	64-72 mm	120/60 mm
DS78-86	Flexible and rigid	78-86 mm	120/60 mm
DS90-101	Flexible and rigid	90-101 mm	150/100 mm
DS100-112	Flexible and rigid	100-112 mm	150/100 mm
DS120-130	Flexible and rigid	120-130 mm	150/100 mm
DS124-138	Flexible and rigid	124-138 mm	150/100 mm
DS144-155	Flexible and rigid	144-155 mm	150/100 mm
DS150-165	Flexible and rigid	150-165 mm	150/100 mm
DS197-206	Flexible and rigid	197-206 mm	150/100 mm
DS209-220	Flexible and rigid	209-220 mm	150/100 mm
DS246-257	Flexible and rigid	246-257 mm	150/100 mm
DS260-280	Flexible and rigid	260-280 mm	150/100 mm
DS290-320	Flexible and rigid	290-320 mm	150/100 mm
DSK16-165	Complete Kit	16-165 mm	120/60 150/100mm
DSK16-220	Complete Kit	16-220 mm	120/60 150/100mm
DSK16-320	Complete Kit	16-320 mm	120/60 150/100mm