



# THE DOUBLE SEAL SYSTEM

Sizes: 3/4 to 12" (16 to 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:

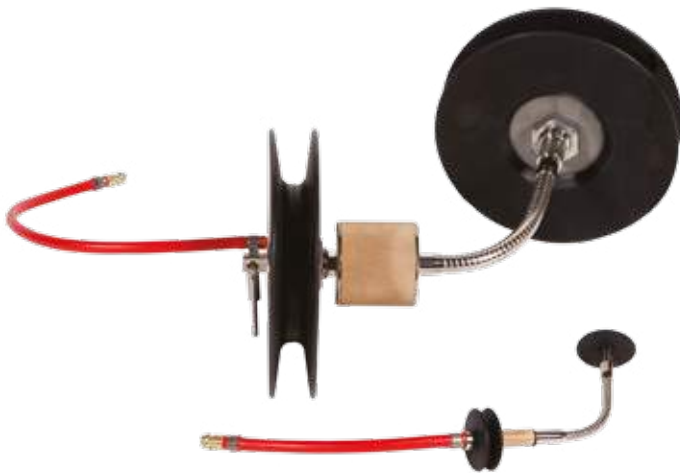
- The Gas Finger system is designed for small pipes and tubes from 16 to 38mm i/d
- The Double Seal systems are made for pipes from 3/4 to 12" (16 to 320mm)



Single Gas Finger for smaller pipe and tubes

## 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 short 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



Show with flexible hose connection for purging elbows and fittings.



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

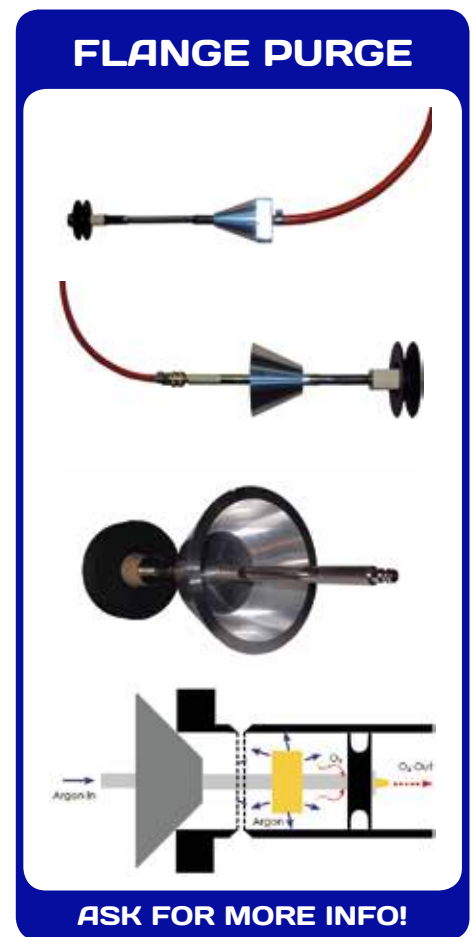
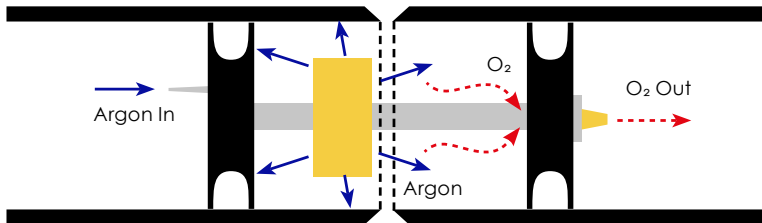
## How it works

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.



**ASK FOR MORE INFO!**

## Sizing and Specification

PART NO.	DESCRIPTION	PIPE I/D RANGE (MM)	HOSE LENGTH (MM)
DS16-19	Flex	16—19mm	100mm
DS19-24	Flex	19—24mm	100mm
DS24-29	Flex	24—29mm	100mm
DS29-34	Flex	29—34mm	100mm
DS34-38	Flex	34—38mm	100mm
DS38-43	Flexible and Rigid	38—43mm	120/60mm
DS43-48	Flexible and Rigid	43—48mm	120/60mm
DS47-53	Flexible and Rigid	47—53mm	120/60mm
DS52-58	Flexible and Rigid	52—58mm	120/60mm
DS64-72	Flexible and Rigid	64—72mm	120/60mm
DS78-86	Flexible and Rigid	78—86mm	120/60mm
DS90-101	Flexible and Rigid	90—101mm	150/100mm
DS100-112	Flexible and Rigid	100—112mm	150/100mm
DS120-130	Flexible and Rigid	120—130mm	150/100mm
DS124-138	Flexible and Rigid	124—138mm	150/100mm
DS144-155	Flexible and Rigid	144—155mm	150/100mm
DS150-165	Flexible and Rigid	150—165mm	150/100mm
DS197-206	Flexible and Rigid	197—206mm	150/100mm
DS209-220	Flexible and Rigid	209—220mm	150/100mm
DS246-257	Flexible and Rigid	246—257mm	150/100mm
DS260-280	Flexible and Rigid	260—280mm	150/100mm
DS290-320	Flexible and Rigid	290—320mm	150/100mm
DSK16-165	Complete Kit	16—165mm	120/60 150/100mm
DSK16-220	Complete Kit	16—220mm	120/60 150/100mm
DSK16-320	Complete Kit	16—320mm	120/60 150/100mm