

### Description

The Pall Silt Density Index (SDI) test is a method often used to determine the effectiveness of a pre-treatment process to reduce the fouling tendency of feed water. This test, most suited for field application, references two American Society for Testing and Materials (ASTM) Standards, the original D 4189-95 (reapproved in 2002) and the current ASTM standard D 4189-07.

### **Benefits**

Regular SDI measurements allow the ability to:

- · choose the correct and economical water pre-treatment
- determine the effectiveness of a pre-treatment process
- monitor periodically operation of the water treatment sequence
- · follow water quality changes over time
- detect "difficult" contaminants such as colloids in the feed water

### General Instructions for Use

See Technical Guidance document FBSDITGENc provided with the kit.

# Ordering information

## Part number: SDIKIT1

Part Number	Description
NX047100	Spare box of 47 mm 0.45 µm Nylon membranes

### Table 1: Accessories not provided:

Part Number	Description
SDIPV	Pressurized 19 L (5 gal) vessel <sup>1</sup>
51147	Stainless steel forceps
7242	Petri dishes (100 per pack)

<sup>1</sup> Provided with gas and liquid connectors and relief valve

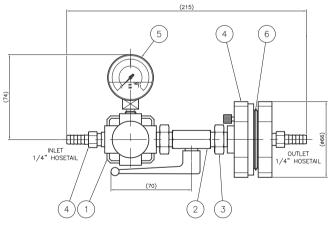
# **Pall® Silt Density Index Kit**

# To measure the fouling potential of water



### Description of the kit

- Suitcase with foam inserts
- 500 mL graduated cylinder
- Box of 47 mm 0.45 µm Nylon membranes (NX047100)
- Technical guidance FBSDITGENc
- SDI device: see drawing



1) Pressure reducing valve 2) Ball valve ¼ BSP F/F

3) Equal Nipple ¼ BSP F/F4) 47 mm filter disc holder

5) Pressure gauge 0 – 6 bar / psi 6) 0.45 μm membrane



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