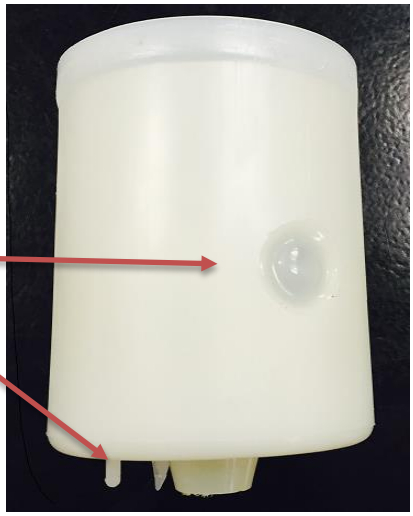
SP-D Spill Cups

Rev C
Date
9/09/15

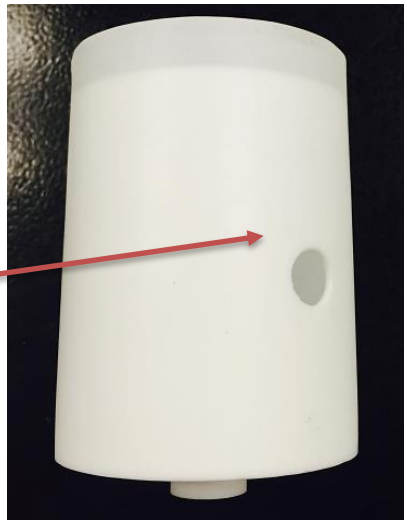
191435 – HDPE Spill Cup: SP-D+

- Made of HDPE
- Used in the 10/35 SP-D with the old Raytech IR sensor (541065)
- Has molded window on the side
- Can be easily identified by the protruding pins at the bottom
- This cup MUST be used with the original Raytech sensor 541065 and is NOT interchangeable with the new sensor or any other cup.



147220 – PTFE with Hole Spill Cup: SP-D 80

- Made of PTFE. Used for higher temperatures
- Used in earlier SP-D 80 systems with the IR plug (530140) - Needs plug to work
- Is to be used in a system with the old Raytech IR sensor (541065)
- Can be identified by the hole it has on the side
- This spill cup MUST be used with the original Raytech IR sensor 530140 and is NOT interchangeable with any other cup.



147250 – PTFE SPILL CUP: SP-D 10/35/80

- Made of PTFE. Used for higher temperatures
- Used in SPD 10/35/80 systems that use a Raytech TRU-Temp IR sensor (147247)
- Identified by having a thin section on the outside or the inside of the cup
- This spill cup is interchangeable with 184021, however a recalibration of the IR system is required.
- It is recommended to replace this spill cup with 184021 when a replacement is required.

184021 – PFA SPILL CUP: SP-D 10/35/80

- Made of PFA. Used for higher temperatures
- Used in the SP-D 10/35/80 systems that use a Raytech TRU-Temp IR sensor (147247)
- Identified by its blue tint in color. It also has no thin sections or holes on the side.
- This spill cup is interchangeable with 147250, however a recalibration of the IR system is required.

Note - 147250 and 184021 are not interchangeable without re-calibrating the IR sensor

The Raytech original IR sensor was the first IR sensor type used in the SP-D family. This sensor was later replaced with the Raytech sensor referred to as "TRU-Temp". Both SP-D 10/35 and SP-D 80 systems were manufactured with both type sensors, so sensor type verification is required before spill cup replacement. The SP-D Gold has only ever used the TRU-Temp IR sensor and has only used spill cup 184021.

In most cases, identification of sensor type will need to be performed by the customer. To do this, have the customer enter "System Setup" on the instrument, cursor over to page 5 and then scroll down to "Sensor Type". It will be one of the following items:

STANDARD = Old style Raytech sensor, use 191435 or 147220 depending on model
REALTEMP = New style TRU-Temp sensor, use spill cup 184021 and recalibrate IR.

Now that you have the sensor type, you can order the appropriate spill cup based on model.

NOTE: Original Raytech sensors (pn 541065) may be upgraded to the new Raytech TRU-Temp sensors (pn 147247), in which case a new spill cup will be required. **Unless the IR sensor has been upgraded, the original type spill cup must be used as replacement**.

Use the chart below to cross-reference which spill cup should be ordered based on the instrument type and IR sensor type used. Spill cup part number 184021 is the latest, and preferred, spill cup, so if you are replacing a 147250 spill cup it is preferred to replace it with 184021 and then perform an IR calibration.

	IR Sensor Type	
	Raytech Original PN 541065 STANDARD	**Raytech TRU-Temp PN 147247 REALTEMP**
	Order Spill Cup PN	Order Spill Cup PN
SP-D 10/35	191435 only	147250 or 184021 IR Recalibration Required
SP-D 80	147220 only	147250 or 184021 IR Recalibration Required
SP-D Gold	N/A	184021