# Příloha č. 2

**AUTOMATICKÝ KOMBINOVANÝ ANALYZÁTOR**

**(FYZIKÁLNÍ A CHEMICKÉ ADSORPCE)**

**Autosorb iQ-C-XR (1 STAT.) PFE (195421 / 90278990) – 1 PCS**

One station chemi- and physisorption analyzer for catalyst metal area, micro/mesopore size, and surface area: 0.1, 10 and 1000 torr transducers

* Flow-through, in-situ catalyst preparation
* 1100 C furnace with rapid cooling (no compressed air/other gases)
* Combined, strong and weak chemisorption isotherms
* Small cold zone technology and continuous Po measurement
* Includes long life analysis dewar (>90 hours with LN2 without refill)
* Built-in vacuum system uses turbo pump and oil pump with foreline trap
* 4 built-in, dedicated vacuum degassing ports with cold trap
* Compatible with H2, CO, NH3, He, N2, Ar, CO2, CH4, NO, Kr, other gases

**Anton Paar Service Visit (P01090 / 90279000) – 1 PCS**

*This item belongs to position 000010.*

This service includes:

* Labor costs
* Replacement of normal wear parts
* Electrical and mechanical functional check and adjustment

(as required)

* Check of outer conditions-Maintenance record

All work will be carried out by a certified Anton Paar service engineer according to relevant maintenance record using calibrated and certified tools at customers facility.

**ASIQ, RECIRCULATING DEWAR KIT (194982 / 90278990) – 1 PCS**

Recirculating Dewar and items required to interface a temperature controller (not included) with the Autosorb iQ. Includes jacketed Dewar with support base plate to ensure bath alignment on Dewar lift drive, water level sensor for CO2 analysis and a short 9mm small bulb sample cell for vapor analysis.

Option also includes modified instrument door.

**MANTLE, LG, MALE INLET, 2 PHONO, QUARTZ (193467 / 84193900) – 2 PCS**

Large pocket mantle (7.5 cm internal width) with maximum continuous operating temperature of 450 C (with quartz sample cells). Dual phono jack thermocouple with one instrument (IEC320) style power plug (male inlet). Required for non-standard cells that do not comfortably fit inside the standard sized mantle or to accommodate 2 large bulb cells. Compatible instrument models include Monosorb (models 21 and newer), ThermoFlow, ChemBET, Autosorb 1, Autosorb/XeriPrep Degasser, and Autosorb iQ.

**LEVEL SENSOR, HYBRID TYPE, 87 K, LONG (197486 / 90278990) – 1 PCS**

Hybrid type coolant level sensor for use with liquid argon (87 K).

Appropriate for use with long cells.

**TYPE A LONG CELL, 6 mm LG BULB, QUARTZ (193915 / 70171000) - 4 PCS**

Type A long cell with 6 mm stem and large bulb. Quartz for temperatures above 350 C.

Nominal Dimensions:

6 mm OD (4 mm ID), cell length 317 mm, bulb diameter 23 mm, 4 cm3 capacity.

**ASiQ, SEPARATE DEGAS TURBO PUMP OPTION (194972 / 90278990) - 1 PCS**

Separate, dedicated, built-in vacuum system for the degassing stations. Includes a turbo-molecular dry vacuum pump.

**ASIQ, HEATED MANIFOLD OPTION (193520 / 90278990) - 1 PCS**

Heats ASiQ manifold to up to 50 C. Not required when instrument is equipped with the vapor option.

**INSTALLATION (P01020 / 90278990) – 1 PCS**

**ASIQ, EXTRA GAS INPUTS OPTION, VITON (222566 / 90278990) – 1 PCS**

Adds a bank of 7 additional programmable gas input ports to physisorption Autosorb iQ instruments (Viton and PFE elastomers) and Autosorb iQ chemisorption instruments with Viton elastomers.

**TYPE C MACRO CELL, CAP (193624 / 70179000) – 1 PCS**

Type C macro cell cap. Must be used with Type C macro cell stem.

**TYPE C MACRO CELL, STEM (193625 / 70179000) – 1 PCS**

Type C Macro cell stem. Must be used with Type C macro cell cap

**LEVEL SENSOR, RTD TYPE, 77 K, FLEX (193054 / 0328900) – 1 PCS**

RTD type coolant level sensor for use with liquid nitrogen (77 K). Flexible construction for use with non-standard cell lengths.

**ASIQ WIDE MOUTH DEWAR ASSEMBLY (193302 / 90278990) – 1 PCS**