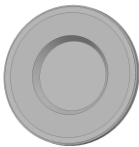

BOXRAY Spare Part Catalog

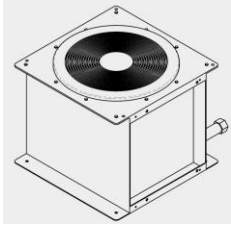
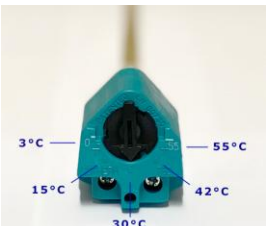
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Consumable Items

Xore Item no.	Spare Part Name	
10338	Flow cell mylar windows (pack of 200) <i>50 μm mylar, $\varnothing$ 51 mm</i>	
11413	Flow cell window holder <i>Metal and plastic rings</i>	
11416	Cooling water filter <i>10-25 μm cotton filter, 10" long</i>	

Spare Parts

Water Cooling Components

Xore Item no.	Spare Part Name	
10512	Air/Water heat exchanger <i>230 VAC fan, ½" ports</i>	
10509	Water pump <i>230 VAC, 370 W, 1" ports</i>	
10510	Level sensor, cooling water tank <i>24 VDC, NC, L=250 mm</i>	
10511	Flow sensor <i>24 VDC, closing/opening relay, M22x1.5mm, probe length 45 mm</i>	
10513	Pin thermostat <i>24 VDC, closing/opening relay, set to 35 °C</i>	

Electrical Components

Xore Item no.	Spare Part Name	
2941374	Relay <i>24 VDC opto coupling relay</i>	
11415	Light bulb for HVG buttons <i>28 VDC long life bulb</i>	
10747	Level sensor, sampling <i>24 VDC two point level controller, plug in mount</i>	
10061	Inductive proximity sensor, pin <i>24 VDC, PNP closing/opening output, M5x0.5 mm, L=30 mm</i>	
10082	Inductive proximity sensor, rectangular <i>24 VDC, PNP closing/opening output, 28x10x16 mm</i>	
12005	Fiber optic amplifier <i>24 VDC, PNP closing/opening output, din-rail mount</i>	

12006	Optic fiber for 12005 <i>Direct reflex, cylindrical fiber sensor head, M6</i>	
12007	Power and signal cable for 12005 <i>Max 50 V, 2.5 A</i>	

Pneumatic components

Xore Item no.	Spare Part Name	
10820	Pneumatic cylinder, Analysis sampling <i>100 mm stroke, M10x1.25 G1/8", Ø32 mm piston</i>	
10821	Pneumatic cylinder, Composite sampling (Boxray Compact) <i>100 mm stroke, M16x1.5 G1/4", Ø50 mm piston</i>	
11491	Pneumatic cylinder, Composite sampling (Boxray 24) <i>100 mm stroke, M16x1.5 G3/8", Ø63 mm piston</i>	
10683	Pneumatic cylinder, Sample presenter (Boxray Compact) <i>80 mm stroke, M8 G1/8", Ø20 mm piston</i>	

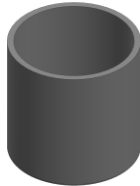
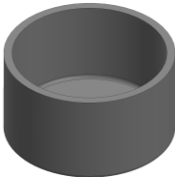
Mechanical

Xore Item no.	Spare Part Name	
11630	Sample strainer <i>Stainless steel strainer to collect debris and particles in secondary sampling tanks</i>	

Water Flushing

Xore Item no.	Spare Part Name	
10836	Water flushing valve <i>Normally closed pilot operated solenoid valve. G ½" ports, 24 VDC, 2.5W</i>	
10825	Water flushing spraying nozzle <i>Stainless steel nozzle, B ¼"</i>	

Composite Sampling

Xore Item no.	Spare Part Name	
11981	Composite sampling pot, high <i>Plastic cup with perforated bottom</i> <i>H=100</i>	
11982	Composite sampling pot, low <i>Plastic cup with perforated bottom</i> <i>H=55</i>	
12505	Slot sampler, 5 mm <i>Stainless steel slot sampler, W=5 mm</i>	
12508	Slot sampler, 8 mm <i>Stainless steel slot sampler, W=8 mm</i>	
12511	Slot sampler, 10 mm <i>Stainless steel slot sampler, W=10 mm</i>	

X-ray System

Xore Item no.	Spare Part Name	
10704	X-ray detector <i>Silicon drift detector, 70 mm², 5 VDC, USB/Ethernet, pin L=47 mm</i>	
10751	High voltage generator <i>230 VAC, $V_{out\ max}=60\ kV$, $I_{out\ max}=80\ mA$, $P_{out\ max}=3\ kW$, Federal standard 3 conductor connector, 51/4"(3U) H x 19" W x 22" D</i>	
	X-ray tube <i>$V_{max}=75\ kV$, $I_{max}=45\ mA$, $P_{max}=1.5\ kW$, $I_{fil\ max}=4.4\ A$</i>	
12534	Analyzer PC incl. analysis software <i>Linux operating system with XORE Boxray proprietary analysis software and web server user interface</i>	