

## BOSS™ X-POT 6 SIDE STREAM FILTRATION AND DOSING UNIT

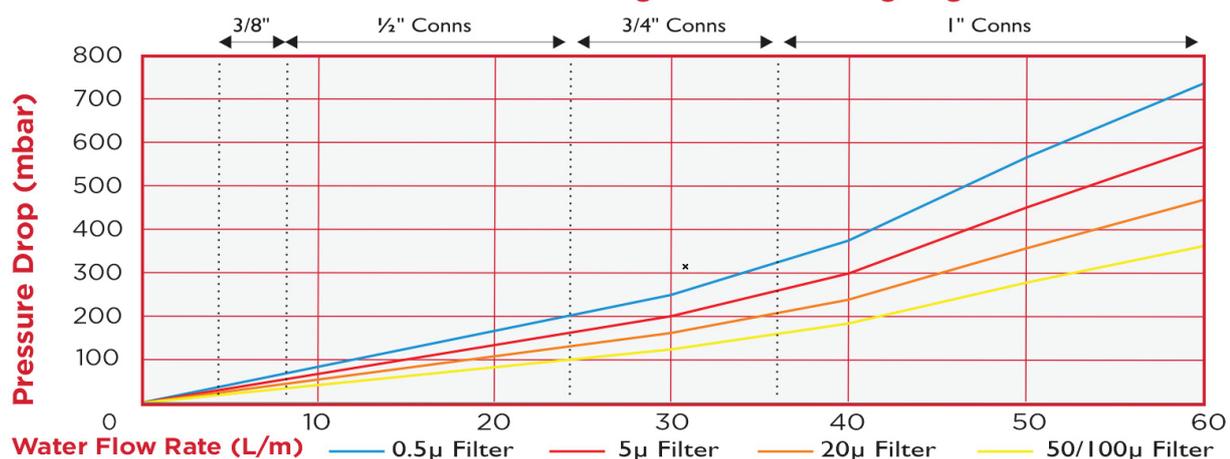
Code	BOSS™ Ref	Description
16910626	X-POT 6	BOSS™ X-POT 6 Side Stream Filtration & Dosing Unit
-		C/W X-POT 6 Starter Pack

Feature	Description
Maximum System Working Pressure	7Bar
Suitable For System Volumes up to	86,400 Litres
Flow Rate Through the Vessel	0.075L/sec to 1L/sec (4.5L/min to 60L/min)
Temperature Range	0°C to 95°C
Filtration Rate	> 0.5 Micron
Isolation Valve Connections	1" BSP Female
Dosing Capacity	10L
Filter Body Mounting	Wall
Vessel Body	304 Stainless Steel (complies with PED SEP 23/97/EC)
Baffle Plate	316 Stainless Steel
Magnet Grate	316 Stainless Steel
Magnets x 6 Off	Neodymium Rare Earth
Cartridge Filter x 1 Off	Polypropylene Spun Bonded Fibre
Isolation Valves, NRV and Fittings	304 Stainless Steel
AAV	Brass
 <p>including 6 Off Neodymium Rare Earth Magnets &amp; Stainless Steel Grate</p> <p>Stainless Steel Baffle Plate</p>	<p>Insulation Jacket (2 parts)</p>  <p>10 Off X-PO10 Inhibitor Tests</p>  <p>1 Off 100 Micron Filter</p>  <p>5L X-PO10 Commercial Inhibitor (Doses up to 1400L system)</p> 
BOSS™ X-POT Side Stream Filter & Dosing Unit	BOSS™ X-POT 6 Starter Pack

## BOSS™ X-POT 6 SIDE STREAM FILTRATION AND DOSING UNIT (Continued)

Feature	Benefits
Compliance	Fully compliant with BSRIA Guidelines BG29 and BG50 for Chemical Dosing, Magnetic Filtration, Fine Filtration, Passive Deaeration and Side Stream Filtration.
Magnetic Filter	Removes magnetic system debris, increases the lifespan of the boiler, chiller and cooling system components, reduces carbon emissions, increases fuel efficiency and increases the lifespan of the Cartridge Filter.
Polypropylene Cartridge Filter	Removes non-magnetic system debris, available in 100, 50, 20, 5 & 0.5 micron filtration rates, ensures coalescence micro-bubble formation on the surface of the filter & surpasses BSRIA Guidance for filtration rates.
Automatic Air Separator	Ensures the system micro-bubbles and air are emitted from the system and helps to reduce noisy pipework and decreases stress on system components.
10L Dosing Pot Capacity	Enables installers and maintenance personnel to quickly dose the system with water treatment chemicals.
Available in 1" BSP	Suitable for all types of LTHW Heating and Cooling Water Systems upto 86,400Litres in volume.
6 Off 8,500 Gauss Neodymium Magnets	Each magnet is fully encased in 304SS shell, easily removable from the 316SS Magnet Grate for cleaning and fully submerged in the system flow for increased filtration.
Installation Bracket	Complete with backing plate for simple installation to wall or frame.
Servicing	The cleaning of the filters can simply be achieved without the need to shut the main system down and the dosing of water treatment chemicals is achieved simply and safely, again without the need to shut the system down.
Un-blockable	Even if the filters are never serviced the ingenious design ensures that the filter will not inhibit system performance.
Stainless Steel Components	All major components are manufactured from 304SS or 316SS for easy clean and servicing of the filter.
Full Bore Flat Face Isolation Valves	The 304SS isolation valves do not restrict system flow and increases ease of installation.
Bespoke Insulation Jacket	Supplied as part of the Starter Pack. The bespoke insulation jacket ensures heat losses are minimised.
5L Drum of BOSS™ X-PO10 Inhibitor	Supplied as part of the Starter Pack. BOSS™ X-PO10 Commercial Inhibitor is BuildCert Approved, pH Neutral, suitable for hard and soft water, has a temp range to 90°C and has a dose rate of 0.36% (5L doses a 1,440L system).
BOSS™ X-PO10 Inhibitor Test Kit	Supplied as part of the Starter Pack. The BOSS™ X-PO10 Inhibitor Test Kit (10 Off tests) enables simple and effective checking of inhibitor levels within the system water.
Warranty	2 Years standard. 3 Year warranty if BOSS™ X-PO10 Inhibitor is used.

**Flow DP of X-POT6 Cartridge Filters including Magnet Grate**



## Simple Schematics

**HEATING SYSTEM SCHEMATIC:**

The diagram shows a heat source connected to a system pump. The flow path includes a STR (System Return Valve), a PICV (1), a SFI (2), and a Pressure Gauge (3) before entering the X-POT 6. The X-POT 6 has an AAV, NRV, and Drain. The return path includes a Dirty Flow line with a Pressure Gauge (3), a SFI (2), and a PICV (1) before returning to the heat source.

**BOSS™ Ancillaries**

**1**

**BOSS™ Dynamic Venturi PICV**

Actuator Head Not Required

**BSS Product Code**  
 1/2" BSP 21910028  
 3/4" BSP 21910050  
 1" BSP 21910072

**2**

**BOSS™ Sight Flow Indicator**

**BSS Product Code**  
 1/2" BSP 26110017  
 3/4" BSP 26110028  
 1" BSP 26110039

**3**

**BOSS™ Pressure Gauge**

**BSS Product Code**  
 0-7Bar 80011897  
 0-21Bar 80011971

## Line Drawings

