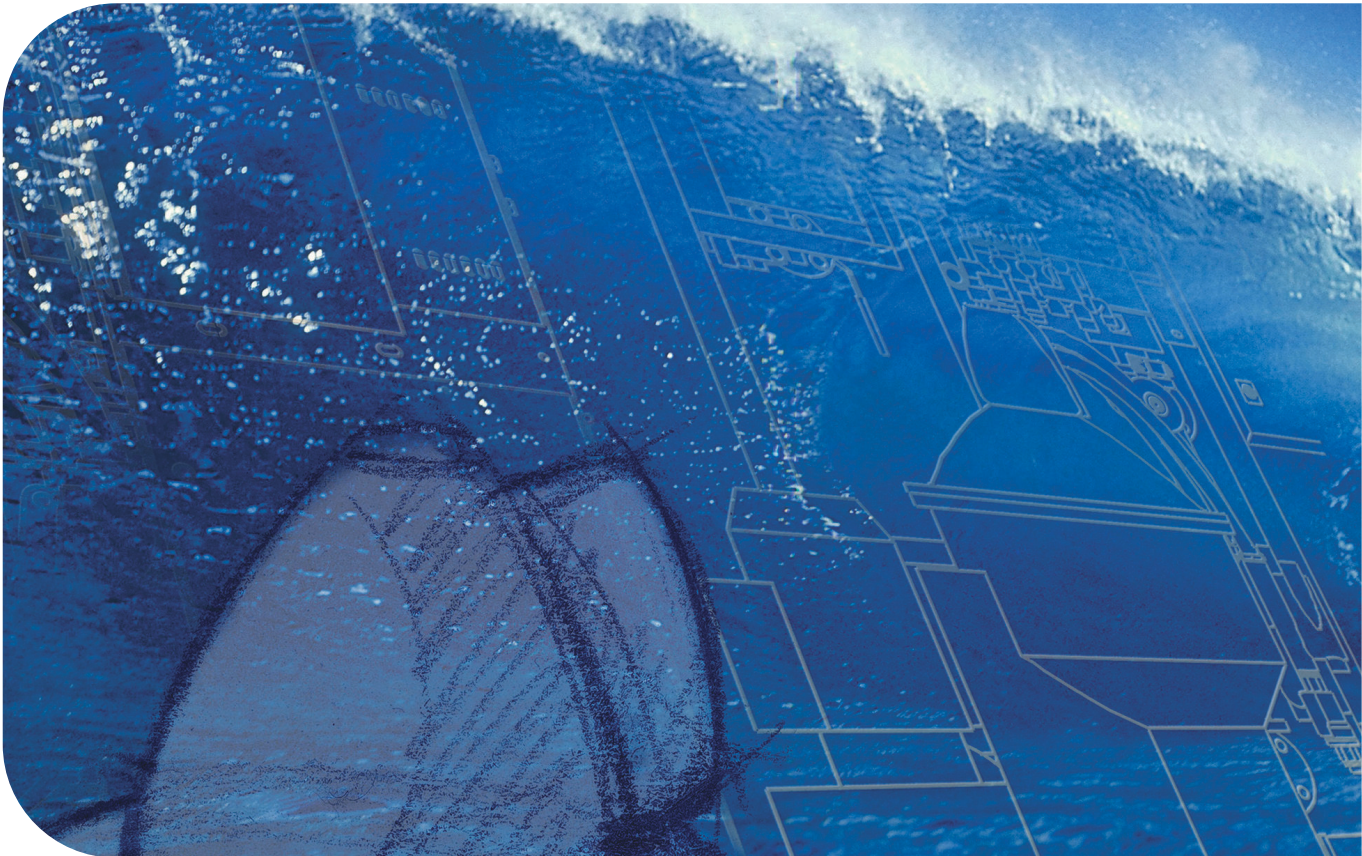


# High speed separator

EPC 70 Upgraded50

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Lit. Code

200004105-2-EN-GB

Selection manual

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**The original instructions are in English**

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# 1 Selection Manual

The EPC 70 Upgraded50 is replacing the following older control systems:

EPC 50 SU/PU

EPC 50 SA/PA

FCM is not covered in EPC 70 Upgraded50.

## 1.1 Ordering flow

The selection manual is intended as a guide for customers and others to find the correct parts when upgrading from the old EPC 50 control system. It is important to go through the manual step by step to secure all the parts needed are ordered.

In this manual we go through the different steps explaining what to look for, what information is needed and why it is needed.

## 1.2 Identify Controller type

If the control cabinet is part of a module, the SU/PU version of the controller is needed. If the system is built from an ancillary package, with a standalone control cabinet, the SA/PA version of the controller is needed.

Order controller per this list:

Control cabinet SA/PA	9046630 80	Upgrade to EPC 70 Upgraded50, SA/PA version
Control panel SU/PU	9046626 80	Upgrade to EPC 70 Upgraded50, SU/PU version

## 1.3 Identify separator type

If the separator is an “S” separator, a new PCB is needed for the water transducer.

Order PCB assembly and choose cable length per this list:

MT60 Circuit Board	581017 01	PCB for water transducer on “S” separators
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If the separator is a “P” separator, no PCB is needed.

## 1.4 Identify the heater

### 1.4.1 Electric heater:

If the installation has an electric heater controlled from the EPC, the version of power unit needs to be identified. The EPC 70 Upgraded50 has a different electrical setup compared with the older systems. Modifications are needed, to make it possible for the old heater cabinet and the EPC50 Retrofit system to communicate.

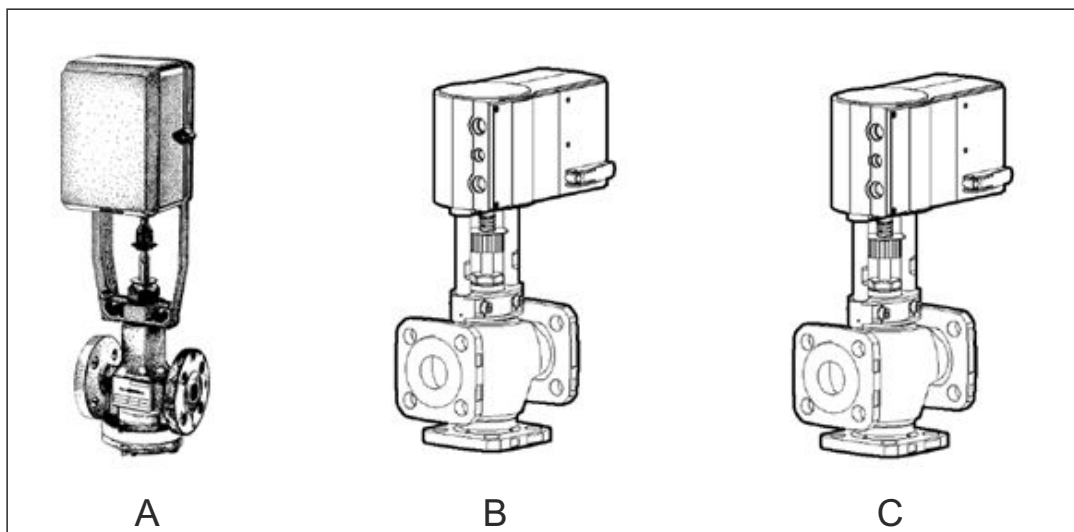
Identify power unit version and order per this list:

Heater control box	9041827 80	Needed for old EPC50 power unit
Relay kit	9052864 80	Needed if the power unit has previously been replaced with an EPC60 power unit

If the relay kit is ordered for an EPC 60 Power Unit, the previously installed relay control box will no longer be used.

### 1.4.2 Steam/thermal oil heater:

If the installed heater is a steam/ thermal oil system using an SRV, the SRV actuator needs to be replaced. If the SRV consist of an older valve type, the new actuator will not fit and a completely new valve and actuator need to be installed.



- A. 1999-2006 EPC50
- B. 2006- ... EPC50/EPC60 with RTMT card
- C. 2022- ... EPC70 without RTMT card

Order SRV actuator or complete SRV per this list:

Item	Part no	Size	Current valve
SRV Actuator	9035456 01	Fits all valve size	2006- ... EPC50, 60 with RTMT card
SRV Valve + Actuator	9035455 01	DN15/5	1999-2006 EPC50
SRV Valve + Actuator	9035455 02	DN15/4	1999-2006 EPC50
SRV Valve + Actuator	9035455 03	DN15/3	1999-2006 EPC50
SRV Valve + Actuator	9035455 04	DN15/2	1999-2006 EPC50
SRV Valve + Actuator	9035455 05	DN15/1	1999-2006 EPC50
SRV Valve + Actuator	9035455 06	DN15	1999-2006 EPC50
SRV Valve + Actuator	9035455 07	DN20	1999-2006 EPC50
SRV Valve + Actuator	9035455 08	DN25	1999-2006 EPC50
SRV Valve + Actuator	9035455 09	DN32	1999-2006 EPC50
SRV Valve + Actuator	9035455 10	DN40	1999-2006 EPC50

To identify which SRV is currently installed, use the pictures above. You can also inspect the SRV for a part no.

Part no starts with 1763170 will be the old SRV from 1999-2006 (EPC50) and need to be replaced with a complete new SRV.

Part no starts with 578787 will be the SRV from 2006- ... (EPC50, 60 with RTMT card) and only the actuator needs to be replaced.

## 1.5 Check BUS communication

If the current system is using BUS communication, an extra box for BUS communication is needed. Check if Modbus RTU, or Profibus DP is needed.

Order per this list:

Modbus RTU	9052461 80	
Profibus DP	9052461-81	