

INTERNAL PURCHASE ORDER

Item	Part No.	QTY	DESCRIPTION	UNIT MFG COST	TOTAL MFG COST	UNIT TRF PRICE	TOTAL TRF PRICE	FROM PLANT
1	WAT050046	1	VLV, SWITCHING, 2-POS, SS, 1 LINE TTL	848.38	848.38	848.38	848.38	
2								
3								
4								
5								
6								
7								
8								
9								
10							-	
11					-		-	
12					-		-	
13					-		-	
14					-		-	
TOTAL USD:					848.38		848.38	

Warranty replacement

☒

No

☐

Yes

(Pls remember to raise return thru Portal Database)

Ship By :

☒

Normal Consolidation

☐

Courier (Urgent ship only)

Purpose :

For FLR Final Tester repair Attention: Mi Mi Soe Myint

Address: 28, Marsiling Lane, Singapore (739152). [T] + 65 67329898

WATERS PACIFIC - TO BE FILLED BY REQUESTOR

Cost Centre : WP21

CEA No. (for Fixed Asset) :

(To be issued by Finance)

G/L Account : 615150

Project Code :

(If Applicable)

Company Code :

FOR APPROVALS

Requestor : Luo Huazhen

Date : 26.Jan.20

Dept Manager : Edwin Koh

Date : 29-01-2021

Alan / Yvonne Approval : Alan Tan

Date :

FOR ADMIN & MATERIALS USE ONLY

Purchase Order No. :

Sales Order No. :

SAP Receiving Doc No. :

Remarks :

FOR NON SALEABLE UNITS (E.g PLANT US31)

NB : Transfer price from US31 is @ 1.3 of Manufacturing Cost

Company/Cost Centre/Account :

☐ US01-WR40 615100 R&D Engineering and Application

☐ To inform Thorsten / Renata Global Ops

Milford Finance Contact :

From: [Alan Tan](#)
To: [HuaZhen Luo](#)
Cc: [Edwin Koh](#); [Sue Jin Ng](#)
Subject: RE: [EXT] OESR for TE82760-5
Date: Monday, 1 February, 2021 15:23:43
Attachments: [image004.png](#)
[image006.png](#)
[image007.png](#)

Approved
rdgs

From: HuaZhen Luo <HuaZhen_Luo@waters.com>
Sent: Monday, 1 February, 2021 10:31
To: Alan Tan <Alan_Tan@waters.com>
Cc: Edwin Koh <Edwin_Koh@waters.com>; Sue Jin Ng <Sue_Jin_Ng@waters.com>
Subject: FW: [EXT] OESR for TE82760-5

Hi Alan,

We have a tester at Venture which has faulty Power Supply for its valve. We need to replace this PS as per advice from Milford. Please kindly review and approve this MRO to repair this tester.

Thank you

Luo HuaZhen
Senior Test Engineer

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[E] huazhen_luo@waters.com



Waters
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Waters Pacific Pte Ltd
1 Science Park Road
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Singapore Science Park II
Singapore 117528

From: Edwin Koh <Edwin_Koh@waters.com>
Sent: Friday, 29 January, 2021 09:29
To: HuaZhen Luo <HuaZhen_Luo@waters.com>
Cc: Alan Tan <Alan_Tan@waters.com>; Sue Jin Ng <Sue_Jin_Ng@waters.com>
Subject: RE: [EXT] OESR for TE82760-5

Approved per request

From: HuaZhen Luo <HuaZhen_Luo@waters.com>
Sent: Tuesday, January 26, 2021 09:19
To: Edwin Koh <Edwin_Koh@waters.com>
Cc: Alan Tan <Alan_Tan@waters.com>
Subject: FW: [EXT] OESR for TE82760-5

Hi Edwin,

This order is to replace faulty PSU for FLR Final Tester valve. I will collect the valve back as spare but use the power supply for this repair.

Please kindly review and approve this MRO. Thank you

Luo HuaZhen
Senior Test Engineer

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Singapore 117528

From: HuaZhen Luo
Sent: Tuesday, 26 January, 2021 07:59
To: Matt Brule <Matt_Brule@waters.com>
Cc: OPS ENG Support <Ops_Eng_Support@waters.com>; Edwin Koh <Edwin_Koh@waters.com>; Yeehwa Chan <Yeehwa_Chan@waters.com>; Eric Turner <Eric_Turner@waters.com>
Subject: RE: [EXT] OESR for TE82760-5

Hi Matt/Eric,

Thanks for advice.
Will order this part from ADC and use power supply for this repair.

Luo HuaZhen
Senior Test Engineer

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Singapore 117528

From: Matt Brule <Matt_Brule@waters.com>
Sent: Monday, 25 January, 2021 22:11
To: HuaZhen Luo <HuaZhen_Luo@waters.com>
Cc: OPS ENG Support <Ops_Eng_Support@waters.com>; Edwin Koh <Edwin_Koh@waters.com>; Yeehwa Chan <Yeehwa_Chan@waters.com>; Eric Turner <Eric_Turner@waters.com>
Subject: RE: [EXT] OESR for TE82760-5

HuaZhen,

Based on Eric advice, it looks like the quickest way to get this fixed is to order WAT050046 from the ADC, there are 3 showing.

• SG01 WATERS ASIA LTD SINGAPORE	
▼ SG02 Waters Pacific Pte. Ltd.	3.000
▼ SG50 WATERS CORPORATION ASIAN DIST	3.000
• ST01 Main Stockroom	3.000
• SP01 WATERS CROMATOGRAPHIA S.A.	
• SW01 WATERS SWEDEN	
• SG01 WATERS A C	

Will this work?

Matt

Matt Brule
Principal Test Engineer
Waters Corporation
phone 508.482.3495
web www.waters.com
email matt_brule@waters.com
34 Maple St., Milford, MA 01757 USA

From: Eric Turner <Eric_Turner@waters.com>
Sent: Monday, January 25, 2021 8:47 AM
To: Matt Brule <Matt_Brule@waters.com>
Subject: FW: [EXT] OESR for TE82760-5

The Waters part number for the valve and PS is WAT050046 costing \$850 – maybe just ship that and they'll have a spare valve

The PS looks pretty standard but not sure about spec'ing the connector, unless we have them cut it off the existing supply

Eric Turner
Principal Test Engineer

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[E] eric_turner@waters.com



Waters Corporation
34 Maple Street
Milford
MA 01757
USA

From: HuaZhen Luo <HuaZhen_Luo@waters.com>

Sent: Monday, January 25, 2021 4:45 AM

To: Matt Brule <Matt_Brue@waters.com>; OPS ENG Support <Ops_Eng_Support@waters.com>

Cc: Edwin Koh <Edwin_Koh@waters.com>; Yeehwa Chan <Yeehwa_Chan@waters.com>; Eric Turner <Eric_Turner@waters.com>

Subject: FW: [EXT] OESR for TE82760-5

Hi Matt,

Venture Singapore reported one FLR final tester is not working as PSU for valve is faulty.

The APS power adaptor (attached photo) which is to supply 24 V to vent valve drive (solvent delivery system) is out of functioning (no output) and need to replace it. The valve is used on FLR final tester TE82760-5. Would you please send a replacement power supply for this valve? Or advise a part number or equivalent part number for us to order it locally?

Please kindly refer to attached photo for this power supply adaptor.

Thank you

Operations Engineering Service Request

Response Pg. 01 Pg. 02 Pg. 03



Log Number

214573

Page 01

All fields are mandatory.
Put N/A if not applicable

☒ Test Engineering ☐ Manufacturing Engineering



Originator	Name: Luo HuaZhen	Phone Ext	7044	Date	25-Jan-21
Department	Other	If applicable CEA or Account No.	N/A	Cost Center	N/A
Request (US, Int'l)	International	Plant Location	Venture/GES, Singapore		
TE / Tool No.	TE82760 - 5	Associated Part No.	N/A		
TE Tool Name	FLR Detector Final Test Station	Test Software Rev.	N/A		
Pole No.	N/A	DIR: ASP/TSP/Other	No.: N/A	Rev.: N/A	

Summary of problem(s) (as detailed as possible and include attachment if required):

The APS power adaptor (attached photo) which is to supply 24 V to vent valve drive (solvent delivery system) is out of functioning (no output) and need to replace it. The valve is used on FLR final tester TE82760-5. Would you please send a replacement power supply for this valve? Or advise a part number or equivalent part number for us to order it locally?
Please kindly refer to attached photo for this power supply adaptor.

Luo HuaZhen
Senior Test Engineer

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1 Science Park Road
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From: Mi Mi Soe Myint <mimi.soemyint@venture.com.sg>

Sent: Friday, 22 January, 2021 17:29

To: Ops_Wppl_Support <Ops_Wppl_Support@waters.com>; Siddharth Udayshankar <Siddharth_Udayshankar@waters.com>

Cc: HuaZhen Luo <HuaZhen_Luo@waters.com>; Yeehwa Chan <Yeehwa_Chan@waters.com>; 'Myae Soe Chan' <myaesoe.chan@venture.com.sg>; Teo Yiek Tiong <yiektiong_teo@venture.com.sg>

Subject: [EXT] OESR for TE82760-5

ATTENTION: This email originated from outside of the organization. Please do not open any attachments or click any links unless you recognize the sender and know the content is safe.

Hi Sidd,

Pls help to provide the OESR number for attached OESR request.

Thanks & Best Regards,

MiMi

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