

SPECIFICATIONS AND QUALIFICATION PROCEDURES
FOR AVIATION JET FUEL FILTER/SEPARATORS

API/IP SPECIFICATION 1581

Fifth edition
July 2002



**Helping You
Get The Job
Done Right.SM**

SPECIFICATIONS AND QUALIFICATION PROCEDURES FOR AVIATION JET FUEL FILTER/SEPARATORS

API/IP SPECIFICATION 1581

Fifth edition
July 2002

Published jointly by
American Petroleum Institute
and
The Institute of Petroleum, London
A charitable company limited by guarantee

Copyright © 2002 by American Petroleum Institute, and
The Institute of Petroleum, London:
A charitable company limited by guarantee. Registered No. 135273, England

All rights reserved

No part of this book may be reproduced by any means, or transmitted or translated into
a machine language without the written permission of the publisher.

ISBN 0 85293 371 1

Published by The Institute of Petroleum

Further copies can be obtained from Portland Customer Services. Commerce Way,
Whitehall Industrial Estate, Colchester CO2 8HP, UK. Tel: +44 (0) 1206 796 351
email: sales@portland-services.com

CONTENTS

	Page
Foreword	vii
Acknowledgements	x
1 General	1
1.1 Scope	1
1.2 Referenced publications	1
2 Description	3
2.1 General	3
2.2 Categories	4
2.3 Uses and qualification requirements	4
2.4 Qualification for other category and/or type systems	5
3 Specifications	7
3.1 Performance	7
3.2 Mechanical specifications	8
4 Testing and qualification procedure	13
4.1 Qualification by similarity	13
4.2 Test materials and facilities	13
4.3 Single-element test for filter/separators	16
4.4 Full-scale test method for filter/coalescers	19
4.5 Structural test	21
4.6 Environmental tests	21
4.7 Test sampling	22
4.8 Test data	23
Annex A - Solids addition procedure	39