

Gas Pipe Fitter

Course Code: GPL05

OBJECTIVES

Upon completion of this course, participants will be able to:

- Describe hazards and importance of safety at work at gas distribution pipeline
- List the fundamental of gas and the types of pipeline integrity testing
- Apply the correct jointing and fitting methodology for Ductile Iron (DI) and Polyethylene (PE) gas pipes

MAIN CONTENTS

Theory

- Fundamentals
 - Gas Properties – town gas and natural gas
 - Gas hazards and safety
 - Use of gas detector
 - Types of gas pipes – DI, PE and GI (Galvanised Iron)
 - Safety Precautions in handling live gas mains
 - Layout of gas pipe connection and symbols
- Pressure Testing and Commissioning:
 - Pressure Test Instruments
 - Pressure Testing
 - Purging and charging in
- Gas Leak Detection and Repair:
 - Operating of Gas Detector
 - Locating Gas leak
 - Repair & Maintenance of Leaking Gas Mains & Services

Practical

- Jointing of DI Pipes and Fittings
 - DI Pipes & Fittings
 - DI Pipe Tools & Equipment
 - Tightening of a Fitting eg. Bend or Cap
 - Tapping of Gas Mains
 - Insertion of Gas Bags
 - Use of Wask Bagging Equipment
- Jointing of PEPipes and Fittings
 - PE Pipes & Fittings
 - PE Pipe Tools & Equipment
 - Cutting of PE Pipe for Connection
 - Joining of PE Pipe Connection
 - Squeezing and re-rounding of PE Pipe

METHODOLOGY

Lecture and practical session

Note: SIPG reserves the right to amend any details relating to the course without prior notice.

Contact Us: training-institute@spgroup.com.sg or +65 6916 9730

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TARGET AUDIENCE

Engineering and technical staff who are required to carry out gas pipeline design, construction and commissioning related work

COURSE DETAILS

Course Duration / Time	2 days (14 hours) / 8:30am – 5:30pm	
Assessment	Yes	
Certification	SIPG Certificate of Completion ¹	
PDU by PE Board ²	-	
Course Fee before Funding	\$1,400 w/o GST	\$1,498 with GST
Course Fee after Funding ³	Not applicable	-

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¹ Participants must attain at least 75% attendance rate and pass the assessment.

² Applicable to Professional Engineers registered in Professional Engineers Board (PEB) only.

³ Funding grant is available for Singapore Citizens and Permanent Residents only.

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