

# PETROLEUM TECHNOLOGY COMPANY

The Artificial Lift Company

## ISOLIFT

1.0" - Orifice gas lift valve

[www.ptc.as](http://www.ptc.as)

## ISOLIFT

The PTC ISOLift is a spring activated orifice gas lift valve with a true metal-to-metal seal. This product is an option in respect of well barrier requirements.

Built on a combination of streamlined design, few moving parts and an optimized material composition – the ISOLift is a very robust valve ideal for long life service in a harsh environment (H<sub>2</sub>S, CO<sub>2</sub>).

The ISOLift valve is designed to be retrofit to all side-pocket mandrels in the market according to ISO 17078-2. It is designed, built and tested in accordance to ISO 17078 part 1 & 2 (E4, Q1, V1, F1).

DESIGN SPECIFICATIONS	
Description	ISOLift 1.0"
Service	CO <sub>2</sub> , H <sub>2</sub> S Unique Service (pp H <sub>2</sub> S <sub>0</sub> = 20 bar)
Valve Body Material	Inconel 718 Other material available on request
Extension Material	17-4 PH
Spring Material	MP35N
Elastomer Material	Endura/H-NBR/Reinforced PTFE
Maximum OD	1.01"
Length	12.3"
Orifice Size	1/8" to 5/16"
Stealth Orifice Available (venture type)	Yes
Pressure Rating	5 000 PSI (Standard) 7 500 PSI (P1)
Temperature Rating	55 °C to 121 °C (Standard) 4 °C to 121 °C (T0) 55 °C to 149 °C (T1) 55 °C to 185 °C (T2) 55 °C to 200 °C (T3)
Leak Criteria for FAT Test	3.5 scf/d (10 times better than API/ISO criteria)
Thread Connectin	11/16" - 16 UNS - 2
Certification/Qualification	ISO 17078-1 & 2 ISO 15156

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For further information contact PTC at: [post@ptc.as](mailto:post@ptc.as)  
+47 51 95 08 00 or +1 281 378 4776 or +44 (0)1224 57 93 50

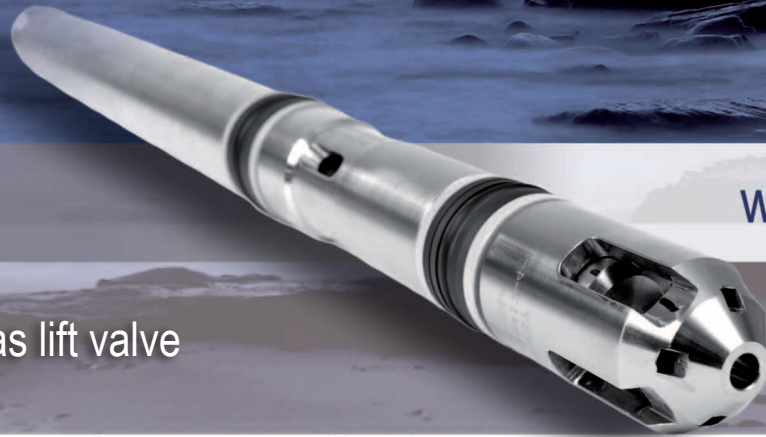
# PETROLEUM TECHNOLOGY COMPANY

The Artificial Lift Company

## ISOLIFT

1.5" - Orifice gas lift valve

[www.ptc.as](http://www.ptc.as)



## ISOLIFT

The PTC ISOLift is a spring activated orifice gas lift valve with a true metal-to-metal seal. This product is an option in respect of well barrier requirements.

Built on a combination of streamlined design, few moving parts and an optimized material composition – the ISOLift is a very robust valve ideal for long life service in a harsh environment (H<sub>2</sub>S, CO<sub>2</sub>).

The ISOLift valve is designed to be retrofit to all side-pocket mandrels in the market according to ISO 17078-2. It is designed, built and tested in accordance to ISO 17078 part 1 & 2 (E4, Q1, V1, F1).

### DESIGN SPECIFICATIONS

Description	ISOLift 1.5"
Service	CO <sub>2</sub> , H <sub>2</sub> S Unique Service (pp H <sub>2</sub> S <sub>0</sub> = 20 bar)
Valve Body Material	Inconel 718 Other material available on request
Extension Material	17-4 PH
Spring Material	MP35N
Elastomer Material	Endura/H-NBR/Reinforced PTFE
Maximum OD	1.5"
Length	22.5"
Orifice Size	1/8" to 1/2"
Stealth Orifice Available (venturi type)	Yes
Pressure Rating	5 000 PSI (Standard) 7 500 PSI (P1) 10 000 PSI (P2)
Temperature Rating	55 °C to 121 °C (Standard) 4 °C to 121 °C (T0) 55 °C to 149 °C (T1) 55 °C to 185 °C (T2) 55 °C to 200 °C (T3)
Leak Criteria for FAT Test	3.5 scf/d (10 times better than API/ISO criteria)
Thread Connectin	1-1/16" - 18 UNEF - 2
Certification/Qualification	ISO 17078-1 & 2 ISO 15156

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# PETROLEUM TECHNOLOGY COMPANY

The Artificial Lift Company

## ISOLIFT

1.75" - Orifice gas lift valve

[www.ptc.as](http://www.ptc.as)



## ISOLIFT

The PTC ISOLift is a spring activated orifice gas lift valve with a true metal-to-metal seal. This product is an option in respect of well barrier requirements.

Built on a combination of streamlined design, few moving parts and an optimized material composition – the ISOLift is a very robust valve ideal for long life service in a harsh environment (H<sub>2</sub>S, CO<sub>2</sub>).

The ISOLift valve is designed to be retrofit to all side-pocket mandrels in the market according to ISO 17078-2. It is designed, built and tested in accordance to ISO 17078 part 1 & 2 (E4, Q1, V1, F1).

DESIGN SPECIFICATIONS	
Description	ISOLift 1.75"
Service	CO <sub>2</sub> , H <sub>2</sub> S Unique Service (pp H <sub>2</sub> S <sub>0</sub> = 20 bar)
Valve Body Material	Inconel 718 Other material available on request
Extension Material	17-4 PH
Spring Material	MP35N
Elastomer Material	Endura/H-NBR/Reinforced PTFE
Maximum OD	1.75"
Length	25.6"
Orifice Size	1/8" to 0.7"
Stealth Orifice Available (venturi type)	Yes
Pressure Rating	5 000 PSI (Standard) 7 500 PSI (P1) 10 000 PSI (P2)
Temperature Rating	55 °C to 121 °C (Standard) 4 °C to 121 °C (T0) 55 °C to 149 °C (T1) 55 °C to 185 °C (T2) 55 °C to 200 °C (T3)
Leak Criteria for FAT Test	3.5 scf/d (10 times better than API/ISO criteria)
Thread Connectin	1-1/16" - 18 UNEF - 2
Certification/Qualification	ISO 17078-1 & 2 ISO 15156

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