

ISOLIFT-C

1.0" - Orifice gas lift valve



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ISOLIFT-C

The PTC ISOLift-C is a spring activated orifice gas lift valve with a true metal-to-metal seal. This 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 (H₂S, CO₂).

In addition the ISOLift-C introduces features to improve the lifetime when chemicals are present in the injected gas, and a valve coating on flow wetted parts in order to reduce scale problems.

The ISOLift-C 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-C 1.0"
Service	CO ₂ , H ₂ S Unique Service (pp H ₂ S ₀ = 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
Valve Coating	Scale Preventing Coating
Maximum OD	1.01"
Length	12.3"
Orifice Size	1/8" to 5/16"
Stealth Orifice Available (venturi 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

ISOLIFT-C

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1.5" - Orifice gas lift valve



ISOLIFT-C

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

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DESIGN SPECIFICATIONS	
Description	ISOLift-C 1.5"
Service	CO ₂ , H ₂ S Unique Service (pp H ₂ S ₀ = 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
Valve Coating	Scale preventing coating
Stealth Orifice Available (venturi type)	Yes
Maximum OD	1.5"
Length	21.65"
Orifice Size	1/8" to 1/2"
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

ISOLIFT-C

1.75" - orifice gas lift valve



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ISOLIFT-C

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In addition the ISOLift-C introduces features to improve the lifetime when chemicals are present in the injected gas, and a valve coating on flow wetted parts in order to reduce scale problems.

The ISOLift-C 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-C 1.75"
Service	CO ₂ , H ₂ S Unique Service (pp H ₂ S ₀ = 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
Valve Coating	Scale preventing coating
Maximum OD	1.7"
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