



Surface-Inflation Packer (SIP)

Weatherford's surface-inflation packer (SIP) is an effective and reliable production packer that can be inflated and deflated multiple times per trip without work-string manipulation. An external pressure line, attached to the running string, is used to inflate the tool with fluid or gas.

The SIP can be used with ACP™ or IPP™ style elements. When used with *IPP* elements, the SIP incorporates the same rugged, high-differential-capability inflatable elements that other Weatherford *IPP* injection production packers use. When the SIP is used with *ACP* elements, it maintains a full casing ID through the tool.

Applications

SIP can be used in either cased or open hole.

Features, Advantages and Benefits

- Simple and economical design, without internal valves, is easy to operate, providing a reliable, cost-effective tool.
- The inflatable element is inflated by a control line that protects the element from tubing pressure, providing total inflation control.
- SIP does not require work-string manipulation, ensuring multiple SIPs can be installed on a single string and safely set and released, delivering application flexibility, especially when control lines are being used to actuate other downhole tools or data retrieval devices.
- SIP can be inflated and deflated multiple times per trip, providing considerable rig-time savings.
- Each element is manufactured from application-specific elastomers, offering superior properties, strength, and resistance to high temperatures, corrosive fluids, and gases.
- SIP can be deflated in the annulus, providing easy retrieval.





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Specifications

Sealing Element OD (in./mm)	Sealing Element Length (in./mm)
3.50 89	48 1,219
4.25 108	
4.38 111	
4.63 117	
5.00 127	
5.50 140	
6.25 159	
6.75 171	
6.88 175	
7.50 191	
7.63 194	
9.25 235	
10.50 267	
13.25 337	

Note: Mandrel ID, weight, grade, and thread are as specified by client.

ACP Style Element		
Casing Size (in./mm)	Sealing Element OD (in./mm)	Sealing Element Length (in./mm)
7.63 194	9.00 229	48 1,219
	9.25 235	

Note: Mandrel ID, weight, grade, and thread are as specified by client.