



SUDARSHANTM
ELASTOMERTM
PVT. LTD.

SUDARSHAN VALVE AND SEAT





Performance Valve and Full Open Seat (Snap ON)



SUDARSHAN PERFORMANCE (SNAP ON) 4 WINGED VALVE AND FULL OPEN SEAT features greater fluid flow through the full open seat. The full open seat provides easier valve maintenance and seat pulling.

Innovative one piece forging valve design eliminates snap rings, plates or keepers to ensure reduced maintenance time. Snap-on valve insert helps easy installation. This combination handles lost circulation material better than most conventional style valve and seat while the seating angle greatly improves flow characteristics and the heavy-duty parts improve service life

Snap-on urethane insert offers increased resistance to water, synthetic and oil based drilling fluids and is capable of operating in fluid temperatures of up to 220°F (104°C)

VALVES	PART NO
PERFORMANCE VALVE (SNAP ON) API-6	SE-VA4W-45-6
PERFORMANCE VALVE (SNAP ON) API-7	SE-VA4W-45-7
PERFORMANCE VALVE (SNAP ON) API-8	SE-VA4W-45-8
SEAT	
FULL OPEN SEAT API-6	SE-VSO-45-6
MODIFIED FULL OPEN VALVE SEAT API-6	SE-VSO-45-6(NAT)
FULL OPEN SEAT API-7	SE-VSO-45-7
MODIFIED FULL OPEN VALVE SEAT API-7	SE-VSO-45-7(NAT)
FULL OPEN SEAT API-8	SE-VSO-45-8
MODIFIED FULL OPEN VALVE SEAT API-8	SE-VSO-45-8(NAT)
INSERT	
PERFORMANCE VALVE INSERT API-6	SE-PVI-45-6
PERFORMANCE VALVE INSERT API-7	SE-PVI-45-7
PERFORMANCE VALVE INSERT API-8	SE-PVI-45-8



Performance Valve and Full Open Seat (HT) (Snap ON)



SUDARSHAN PERFORMANCE (HT) (SNAP ON) 4 WINGED VALVE AND FULOPEN SEAT features greater fluid flow through the full open seat. The full open seat provides easier valve maintenance and seat pulling.

Innovative one piece forging valve design eliminates snap rings, plates or keepers to ensure reduced maintenance time. Snap-on valve insert helps easy installation. This combination handles lost circulation material better than most conventional style valve and seat while the seating angle greatly improves flow characteristics and the heavy-duty parts improve service life

Snap-on urethane insert is made out of **special grade urethane** which offers increased resistance to water, synthetic and oil based drilling fluids and is capable of operating in fluid temperatures of up to 300°F (150°C)

VALVES	PART NO
PERFORMANCE VALVE(HT) (SNAP ON) API-6	SE-VA4W-45-6(HT)
PERFORMANCE VALVE (HT) (SNAP ON) API-7	SE-VA4W-45-7 (HT)
PERFORMANCE VALVE(HT) (SNAP ON) API-8	SE-VA4W-45-8 (HT)
SEAT	
FULL OPEN SEAT API-6	SE-VSO-45-6
MODIFIED FULL OPEN VALVE SEAT API-6	SE-VSO-45-6(NAT)
FULL OPEN SEAT API-7	SE-VSO-45-7
MODIFIED FULL OPEN VALVE SEAT API-7	SE-VSO-45-7(NAT)
FULL OPEN SEAT API-8	SE-VSO-45-8
MODIFIED FULL OPEN VALVE SEAT API-8	SE-VSO-45-8(NAT)
INSERT	
PERFORMANCE VALVE (HT) INSERT API-6	SE-PVI-45-6 (HT)
PERFORMANCE VALVE (HT) INSERT API-7	SE-PVI-45-7 (HT)
PERFORMANCE VALVE (HT) INSERT API-8	SE-PVI-45-8 (HT)



Performance Valve and Full Open Seat (BONDED)



SUDARSHAN PERFORMANCE (BONDED) 4 WINGED VALVE AND FULL OPEN SEAT design features a large metal-to-metal bearing area for long life, directly casted urethane insert on valve body results in a perfect round shape that prevents premature failures of the insert. The insert is casted around the serrations, thus failure due to tears from the serrations are eliminated. Most importantly the insert is not stretched over the valve during installation; there are no residual stresses left, to shorten insert life.

Urethane bonded insert offers increased resistance to water, synthetic and oil based drilling fluids and is capable of operating in fluid temperatures of up to 220°F (104°C) while maintaining superior resistance to tear and extrusion.

As the urethane part is bonded, it can be used at high pressure up to 7500 psi and comparably better performance.

VALVES	PART NO
PERFORMANCE VALVE (BONDED) API-6	SE-VA4W-45-6 (B)
PERFORMANCE VALVE (BONDED) API-7	SE-VA4W-45-7 (B)
SEAT	
FULL OPEN SEAT API-6	SE-VSO-45-6
MODIFIED FULL OPEN VALVE SEAT API-6	SE-VSO-45-6(NAT)
FULL OPEN SEAT API-7	SE-VSO-45-7
MODIFIED FULL OPEN VALVE SEAT API-7	SE-VSO-45-7(NAT)



Performance Valve and Full Open Seat (HTHP)



SUDARSHAN PERFORMANCE (HTHP) 4 WINGED VALVE AND FULL OPEN SEAT design features a large metal-to-metal bearing area for long life, directly casted urethane insert on valve body results in a perfect round shape that prevents premature failures of the insert. The insert is casted around the serrations, thus failure due to tears from the serrations are eliminated. Most importantly the insert is not stretched over the valve during installation; there are no residual stresses left, to shorten insert life.

Special grade Urethane bonded insert offers increased resistance to water, synthetic and oil based drilling fluids and is capable of operating in fluid temperatures of up to 300°F (150°C) while maintaining superior resistance to tear and extrusion.

As the urethane part is bonded, it can be used at high pressure up to 7500 psi and comparably better performance.

VALVES	PART NO
PERFORMANCE VALVE (BONDED) API-6	SE-VA4W-45-6 (HTHP)
PERFORMANCE VALVE (BONDED) API-7	SE-VA4W-45-7 (HTHP)
SEAT	
FULL OPEN SEAT API-6	SE-VSO-45-6
MODIFIED FULL OPEN VALVE SEAT API-6	SE-VSO-45-6(NAT)
FULL OPEN SEAT API-7	SE-VSO-45-7
MODIFIED FULL OPEN VALVE SEAT API-7	SE-VSO-45-7(NAT)



Master Valve and Full Open Seat (SNAP ON)



SUDARSHAN MASTER wing guided valve assembly allows increased fluid flow through its full open seat, which also provides for easier valve maintenance in valve-over-valve fluid ends. The innovative unibody valve design eliminates snap rings, plates, or keepers, reducing maintenance time.

They are available with replaceable snap-on urethane insert capable of operating in fluid temperatures of up to 220°F . This valve is fully rated for continuous service at 7500 psi and has the largest metal-to-metal bearing area in the industry.

VALVES	PART NO
MASTER VALVE API 3	SE-VA4W-30-3
MASTER VALVE API 4	SE-VA4W-30-4
MASTER VALVE API 5	SE-VA4W-30-5
MASTER VALVE API 6	SE-VA4W-30-6
MASTER VALVE API 7	SE-VA4W-30-7
INSERT	
MASTER VALVE INSERT API 3	SE-PVI-30-3
MASTER VALVE INSERT API 4	SE-PVI-30-4
MASTER VALVE INSERT API 5	SE-PVI-30-5
MASTER VALVE INSERT API 6	SE-PVI-30-6
MASTER VALVE INSERT API 7	SE-PVI-30-7
SEAT	
MASTER FULL OPEN SEAT API 3	SE-VSO-30-3
MASTER FULL OPEN SEAT API 4	SE-VSO-30-4
MASTER FULL OPEN SEAT API 5	SE-VSO-30-5
MASTER FULL OPEN SEAT API 6	SE-VSO-30-6
MASTER FULL OPEN SEAT API 7	SE-VSO-30-7



STEM GUIDED VALVE AND WEBBED ARM SEAT



SUDARSHAN STEM GUIDED VALVE ASSEMBLY consisting of Valve Seat, Valve Body, & Valve Insert are available for different API valve pot sizes. Special care is taken for the dimensional matching of valve seat and valve body working angles for ensuring very high life even under extreme working conditions. Valve Insert is made out of high quality polyurethane material capable of operating in fluid temperatures of up to 220°F.

Our super-premium stem guided valve with 3/4 ribbed seat incorporates several improvements and innovations for that extra life. The extra wide seat facilitates high strength circular I-beam construction which reduces the seat area blocking the flow path. Valve is offered with standard replaceable urethane insert, held in place by a heavy lock-nut.

VALVES	PART NO
STEM GUIDED VALVE API 4	SE-VASG-35-4
STEM GUIDED VALVE API 5	SE-VASG-35-5
STEM GUIDED VALVE API 6	SE-VASG-35-6
STEM GUIDED VALVE API 7	SE-VASG-35-7
STEM GUIDED VALVE API 7 (3 WEB SEAT)	SE-VAFK-35-7
INSERT	
STEM GUIDED VALVE INSERT API 4	SE-PVI-35-4
STEM GUIDED VALVE INSERT API 5	SE-PVI-35-5
STEM GUIDED VALVE INSERT API 6	SE-PVI-35-6
STEM GUIDED VALVE INSERT API 7	SE-PVI-35-7
STEM GUIDED VALVE INSERT API 7 (3 WEB SEAT)	SE-PVIFK-35-7
SEAT	
3 WEB SEAT API 4	SE-VS3A-35-4
4 WEB SEAT API 5	SE-VS4A-35-5
4 WEB SEAT API 6	SE-VS4A35-6
4 WEB SEAT API 7	SE-VS3A-35-7
3 WEB SEAT API-7	SE-VS3AFK-35-7



STEM GUIDED VALVE AND WEBBED ARM SEAT (HTHP)



SUDARSHAN STEM GUIDED VALVE ASSEMBLY (HTHP) consisting of Valve Seat, Valve Body, & Valve Insert are available for different API valve pot sizes. Special care is taken for the dimensional matching of valve seat and valve body working angles for ensuring very high life even under extreme working conditions. Valve Insert is made out of **special grade urethane** material capable of operating in fluid temperatures of up to 300°F.

Our super-premium stem guided valve with 3/4 ribbed seat incorporates several improvements and innovations for that extra life. The extra wide seat facilitates high strength circular I-beam construction which reduces the seat area blocking the flow path. Valve is offered with standard replaceable urethane insert, held in place by a heavy lock-nut.

VALVES	PART NO
STEM GUIDED VALVE API 4(HTHP)	SE-VASG-35-4 (HTHP)
STEM GUIDED VALVE API 5 (HTHP)	SE-VASG-35-5 (HTHP)
STEM GUIDED VALVE API 6 (HTHP)	SE-VASG-35-6 (HTHP)
STEM GUIDED VALVE API 7 (HTHP)	SE-VASG-35-7 (HTHP)
STEM GUIDED VALVE API 7 (3 WEB SEAT) (HTHP)	SE-VAFK-35-7 (HTHP)
INSERT	
STEM GUIDED VALVE INSERT API 4	SE-PVI-35-4 (HTHP)
STEM GUIDED VALVE INSERT API 5	SE-PVI-35-5 (HTHP)
STEM GUIDED VALVE INSERT API 6	SE-PVI-35-6 (HTHP)
STEM GUIDED VALVE INSERT API 7	SE-PVI-35-7 (HTHP)
STEM GUIDED VALVE INSERT API 7 (3 WEB SEAT)	SE-PVIFK-35-7 (HTHP)
SEAT	
3 WEB SEAT API 4	SE-VS3A-35-4
4 WEB SEAT API 5	SE-VS4A-35-5
4 WEB SEAT API 6	SE-VS4A35-6
4 WEB SEAT API 7	SE-VS3A-35-7
3 WEB SEAT API-7	SE-VS3AFK-35-7