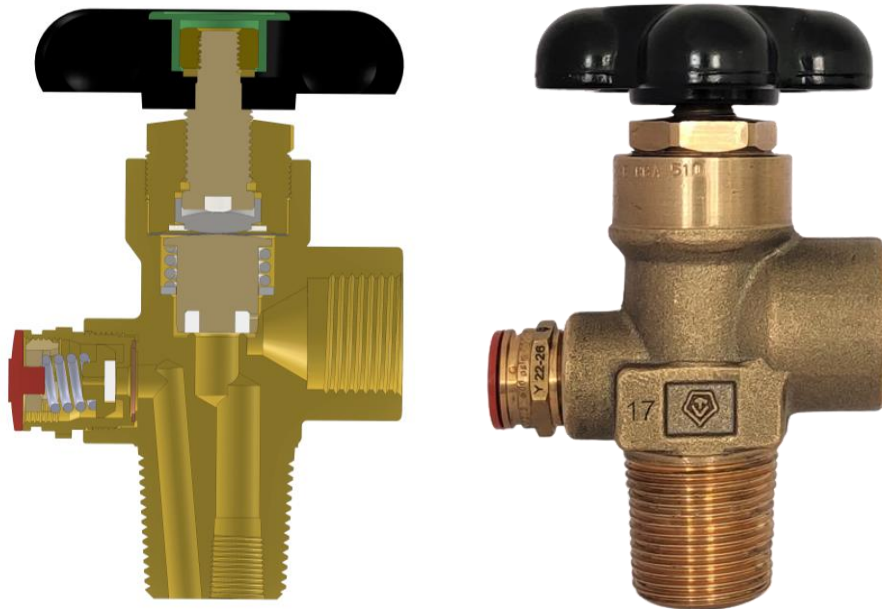
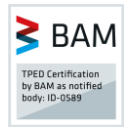


# BSWN-32/L

Handwheel Operated High Flow Valves in Diaphragm Gland Seal Design



## Cylinder Valves for Low Pressure Refrigerant Gases



Valve shown with PRV

Design Specifications		
	Metric	English
Minimum life	2000 cycles	
Maximum pressure rating (type approval)	50 bar	725 psig
Temperature range	-40 °C to +65 °C	-40 °F to +149 °F
Pressure relief valve (PRV)*	CG-7	
Minimum closing torque	3 Nm	2.2 ft.lb
Gland nut installation torque	80 Nm	59 ft.lb
PRV installation torque*	30 Nm	22 ft.lb
Flow coefficient (C <sub>v</sub> )	0.68	
Lubricant	Krytox GPL 225	

\* Optional

Pressure Relief Valve Rating, psig		
Cylinder service pressure	Start-to-discharge pressure	Cylinder test pressure
300	450-600	600
400	600-800	800

Compliance & Certification
• Valves meet EN ISO 10297:2017 & CGA V-9:2019
• Valves are certified to European TPED & available with Pi (T) mark
• PRV complies with CGA S-1.1

Material of Construction	
Part	Material
Valve body	Forged LT brass
Upper spindle & Washer	Free cutting brass
Tip blank	Moly filled nylon
Lower spindle & Thrust metallic pad	SS 303
Seat insert	PEEK
Gland nut	HT brass
Diaphragm X 4	SS 301
Spring	Stainless steel
Handwheel	Aluminium (CED coated) / Glass filled PA with brass insert
Pressure Relief Valve (PRV)	
Housing, Seat holder & Adjusting screw	Free cutting brass
Seat	Neoprene
Spring	SS 302
Sealing washer	Copper



For features, benefits & ordering information, refer detailed catalogue

