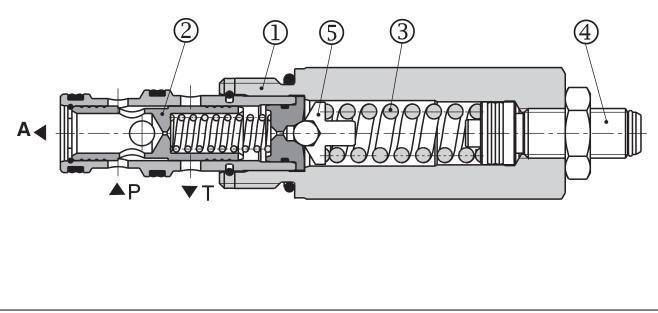


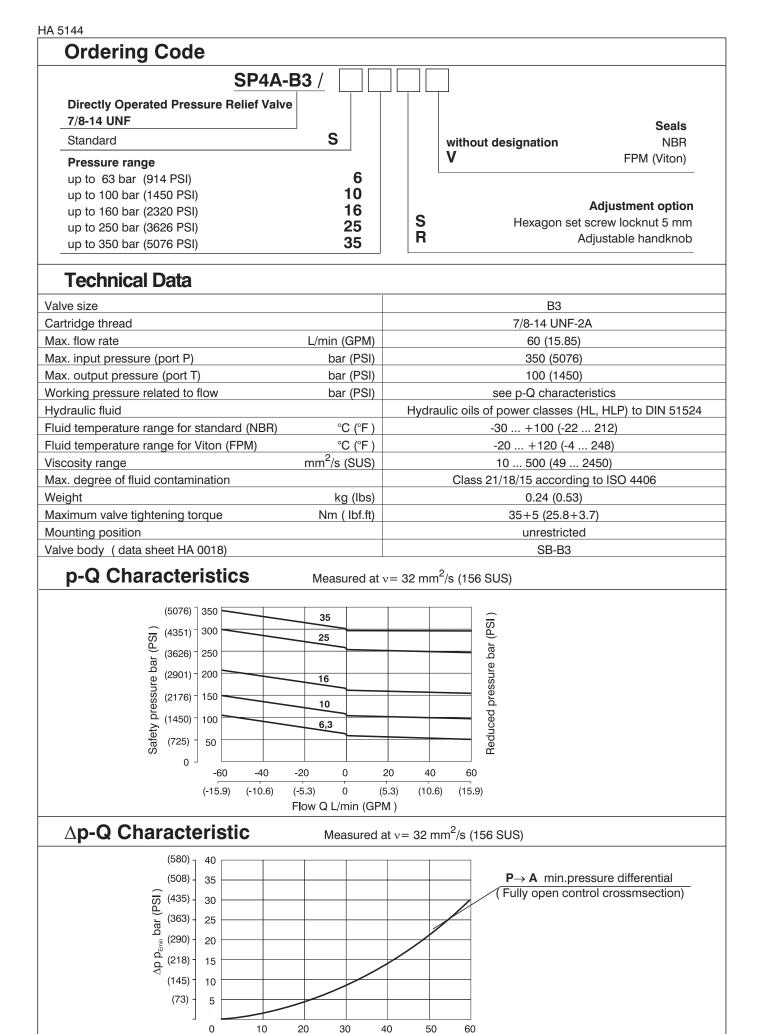
## Functional Description

The pressure valves SP4A-B3 are pilot operated screw-in cartridge pressure reducing valves designed as 3 way valves, i.e. with pressure protection of the secondary circuit. The reducing valve consists of a body (1) with thread 7/8-14 UNF, control spool (2), spring (3) and the adjustment element (4). The flow from the primary circuit flows to the first metering edge, where its pressure is reduced. The reduced pressure corresponds with the adjustment of the control spring of the ball pilot valve (5). The reduced pressure is continuously controlled and compared with the pressure preset. If any control error appears, the respective control action takes place and the reduced pressure returns to its preset value. If

pressure behind the valve increases due to the effect of external load acting on the user, the control spool shifts further against the spring, the reducing metering edge closes and the second metering edge opens. The fluid passes through the "third way" to port T. The control flow of the pilot valve (from the spring room) is also routed to port T.

The valve body and the adjustment screw are zinc coated.





50

(15.9)

(13.2)

0

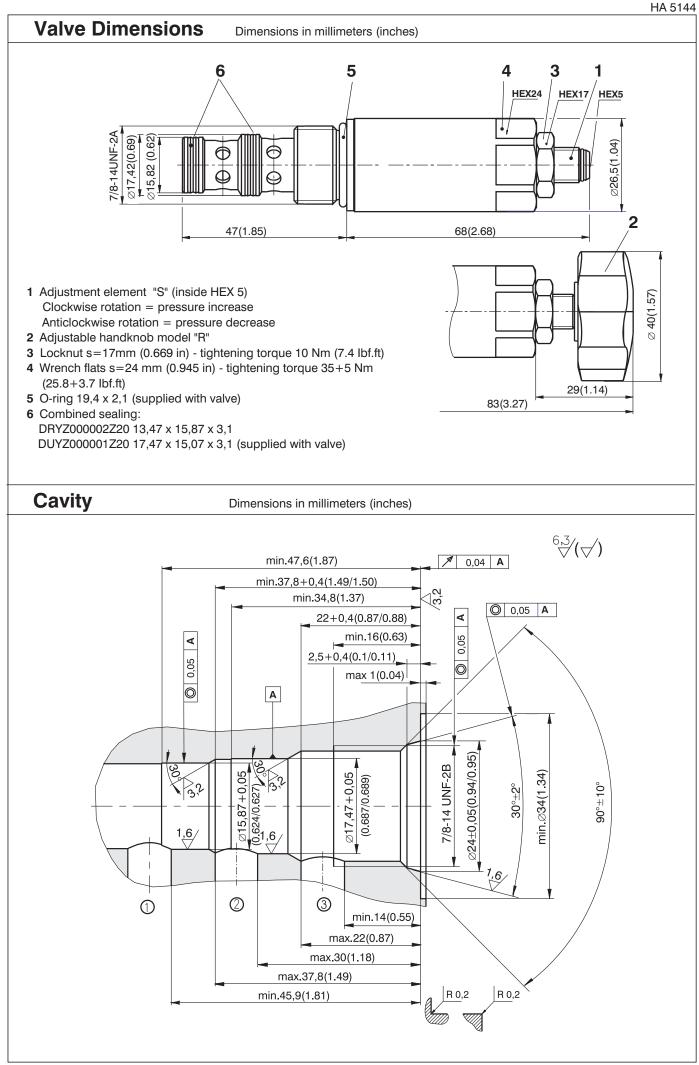
(2.6)

(5.3)

(8.0)

Flow Q L/min (GPM)

(10.6)



Seal kit Dualseal - PU	O-ring - Viton	Ordering number
RYZ000002Z20 13,47 x 15,87 x 3,1 (1pc.)	19,4 x 2,1 (1pc.)	
JYZ000001Z20 17,47 x 15,07 x 3,1 (1pc.)	-	18775700
Caution!		
The packing foil is recyclable.		
<ul> <li>The packing foll is recyclable.</li> <li>The technical information regarding the product not be construed in any case as a guaranteed re</li> </ul>	presented in this catalogue is for des	criptive purposes only. It should

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