

HV-7000

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- Max Inlet Pressure: 875 bar
- Outlet Pressure: 10-30 bar
- Temperaturområde: -40 til 85°C
- CV: 0.17
- Lækage: Bubble-tight



PRODUKTBESKRIVELSE

TESCOM HV-7000 Serien

Two Stage Pressure Reducing Regulator er en pålidelig, low-maintenance pressure kontrol løsning speicelt designet til brug ombord på industrial og commercial heavy-duty hydrogen-powered vehicles med lager tanke op til 700 bar.

HV-7000 hjælper med at maksimere vehicle fuel efficiency ved at kontinuerligt at levere flow op til 5 g / s hydrogen fuel ved det rigtige tryk som det kræves af fuel cell eller hydrogen combustion engine over full range operating conditions.

The contamination-resistant design of the HV-7000 sikre en pålidelig og long service life, hvilke minimere cost of ownership.

Applikationer

- Onboard fuel cell electric vehicles (FCEV) or hydrogen internal combustion engine vehicles (HICEV)
- Pressure reduction from fuel tank in hydrogen powered vehicles or stationary back-up power

Example for selecting a part number:

Body Series	Body Material	Outlet Pressure Range	Port Type	Port Sizes	Set Pressure		
HV-70	2= Aluminum 6061-T6 with Clear Anodic Coating	1= 10-12 bar / 143-174 psi	C= Inlet: O-Ring Face Seal Outlet: SAE	2= Inlet: 1/4" Outlet: 3/8"	18= 10 bar / 145 psi		
				3= Inlet: 1/4" Outlet: 1/2"	12= 12 bar / 174 psi		
				7= Inlet: 1/4" Outlet: 3/8"	15= 15 bar / 218 psi		
		2= 12-20 bar / 174-290 psi	C= Inlet: O-Ring Face Seal Outlet: SAE	3= Inlet: 1/4" Outlet: 1/2"	16= 16 bar / 232 psi		
				28= 20 bar / 290 psi	20= 20 bar / 290 psi		
				23= 23 bar / 334 psi	24= 24 bar / 348 psi		
		3= 20-30 bar / 290-435 psi	C= Inlet: O-Ring Face Seal Outlet: SAE	7= Inlet: 1/4" Outlet: 3/8"	21= 21 bar / 305 psi		
				3= Inlet: 1/4" Outlet: 1/2"	22= 22 bar / 319 psi		
				27= 27 bar / 392 psi	25= 25 bar / 362 psi		
						28= 28 bar / 406 psi	26= 26 bar / 377 psi
						29= 29 bar / 421 psi	27= 27 bar / 392 psi
						30= 30 bar / 435 psi	28= 28 bar / 406 psi
					29= 29 bar / 421 psi		
					30= 30 bar / 435 psi		

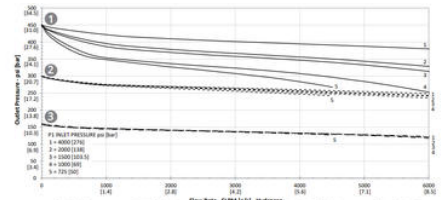
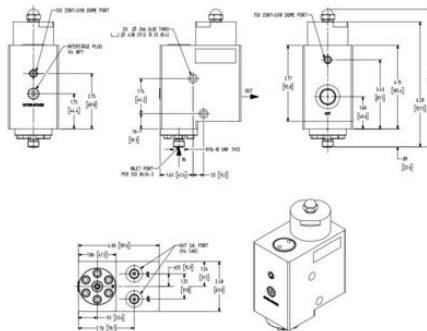


Figure 1: 435 psi / 30 bar Outlet Pressure Setting

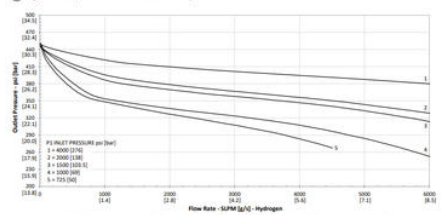


Figure 2: 250 psi / 20 bar Outlet Pressure Setting

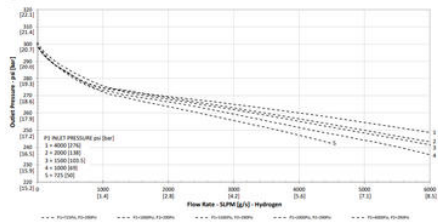


Figure 3: 145 psi / 10 bar Outlet Pressure Setting

