

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"	18 = 18 bar / 262 psi		
				28 = 20 bar / 290 psi	22 = 20 bar / 290 psi		
				7 = Inlet: 1/4" Outlet: 3/8"	21 = 21 bar / 305 psi		
		3 = 20-30 bar / 290-435 psi	C = Inlet: O-Ring Face Seal Outlet: SAE	3 = Inlet: 1/4" Outlet: 1/2"	23 = 23 bar / 334 psi		
				24 = 24 bar / 348 psi	25 = 24 bar / 348 psi		
				26 = 26 bar / 377 psi	27 = 27 bar / 392 psi		
							28 = 28 bar / 408 psi
							29 = 29 bar / 423 psi
							30 = 30 bar / 435 psi

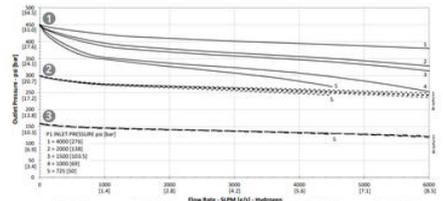
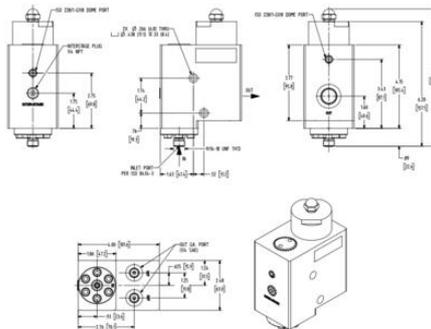


Figure 1: 435 psi / 30 bar Outlet Pressure Setting

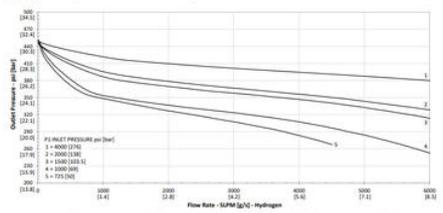


Figure 2: 290 psi / 20 bar Outlet Pressure Setting

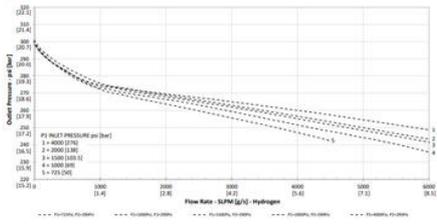
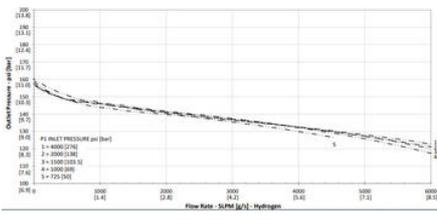


Figure 3: 145 psi / 10 bar Outlet Pressure Setting



Example for selecting a part number:

Basic Series	Body Material	Outlet Pressure Range	Part Type	Part Sizes	Set Pressure
HW 70	3 - Aluminum 6061-T6 with Clear Anodize Coating	1 - 10-12 bar / 145-172 psi	C - Inlet O-Ring Face Seal Outlet Seal	7 - Inlet 1/4" Outlet 3/8" 8 - Inlet 1/4" Outlet 1/2"	10 - 10 bar / 145 psi 12 - 12 bar / 172 psi
		2 - 13-20 bar / 174-290 psi	C - Inlet O-Ring Face Seal Outlet Seal	7 - Inlet 1/4" Outlet 3/8" 8 - Inlet 1/4" Outlet 1/2"	15 - 15 bar / 212 psi 20 - 20 bar / 290 psi
		3 - 25-30 bar / 290-435 psi	C - Inlet O-Ring Face Seal Outlet Seal	7 - Inlet 1/4" Outlet 3/8" 8 - Inlet 1/4" Outlet 1/2"	21 - 21 bar / 305 psi 22 - 22 bar / 317 psi 23 - 23 bar / 330 psi 24 - 24 bar / 342 psi 25 - 25 bar / 354 psi 26 - 26 bar / 367 psi 27 - 27 bar / 380 psi 28 - 28 bar / 392 psi 29 - 29 bar / 405 psi 30 - 30 bar / 418 psi

