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TESCOM

SERIE 74-3000

Trykkreduserende regulator

74-3000
Serie 74-3000

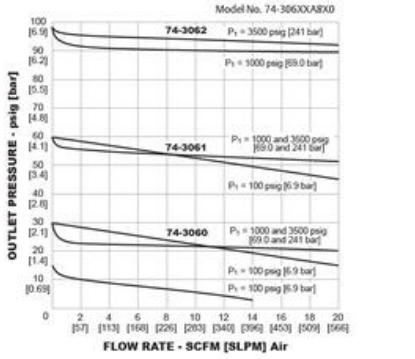
- Inngangstrykk: 20,7, 41,4, 69, 241 bar
- Utgangstrykk: 1,0 bar, 0,21–2,1, 0,21–4,1, 0,28–6,9 og 0,28–10,3 bar
- Lekkasjetetthet: <1 x 10^{-9} atm cc/sek He per ASTM E449
- Cv: 0,5
- Temperaturområde: -40 til 149 °C

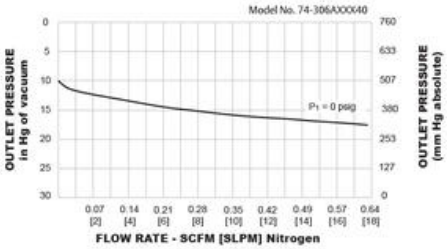
PRODUKTBESKRIVELSE

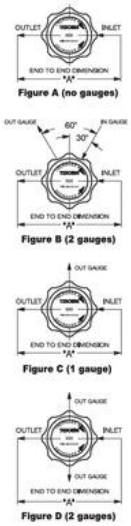
TESCOM 74-3000-serien er en trykkreduserende regulator for ultrahøy renhet, med middels flow og design uten innvendige gjenger samt lavt internt volum. Serien leveres med 5 Ra eller 10 Ra overflatefinish og høyt flow med Cv-verdi på 0,5.
Inngangstrykk opptil 600, 1000 eller 3500 psig / 41,3, 69 eller 241 bar, med utgangstrykk opptil 150 psig / 10,3 bar.

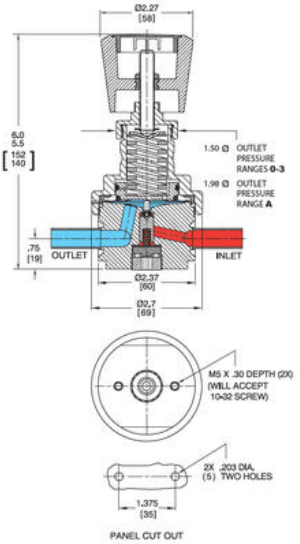
74-30	6		2	K	T6		2	0
BASIC SERIES	BODY MATERIAL	FINISH	OUTLET PRESSURE RANGES	SEAT MATERIAL	INLET AND OUTLET PORT TYPE AND SIZE	'A' ± .06	MAXIMUM INLET PRESSURE	GAUGE PORT OPTION	NO. OF GAUGE PORTS (SEE FIGURE)
74-30	6 – 316L VAR* Stainless Steel Electropolish†	10 R_a	A – 100 mm Hg absolute – 15 psig 100 mm Hg absolute – 1.0 bar 0 – 1-30 psig 0.21-2.1 bar 1 – 1-60 psig 0.21-4.1 bar 2 – 4-100 psig 0.28-6.9 bar 3 – 4-150 psig 0.28-10.3 bar	V – Polyimide (Vespel®) (3500 psig [241 bar only) K – PCTFE (not available with 3500 psig [241 bar inlet) T – PTFE PFA (600 psig [41.4 bar only)	T4 – 1/4" Tube Stubs T6 – 3/8" Tube Stubs T8 – 1/2" Tube Stubs RA – 1/4" Male Swivel RU – 1/2" Male Swivel RW – 1/2" Female Swivel SV – IN Port 1/2" Male Swivel, OUT Port: 1/2" Female SZ – IN Port 1/2" Female, OUT Port: 1/2" Male Swivel	3.70 3.70 3.70 3.70 5.59 5.59 5.59	1 – 3500 psig 241 bar 2 – 1000 psig 69.0 bar 3 – 600 psig 41.4 bar 4 – 300 psig 20.7 bar (Absolute only)	0 – None 1 – 1/4" H.P.I.C. 2 – 1/4" H.P.I.C. 3 – 1/4" H.P.I.C. 4 – 1/4" Male Swivel 5 – 1/4" Male Swivel 6 – 1/4" Male Swivel 7 – 1/4" Female Swivel 8 – 1/4" Female Swivel 9 – 1/4" Female Swivel S – 1/4" Fixed Male T – 1/4" Fixed Male U – 1/4" Fixed Male	0 (Figure A) 1 (Figure C) 2 (Figure B) 2 (Figure D) 2 (Figure D) 1 (Figure C) 2 (Figure B) 2 (Figure D) 1 (Figure C) 2 (Figure B) 2 (Figure B) 1 (Figure C) 2 (Figure D)

† Per SEMI F19, UHP grade



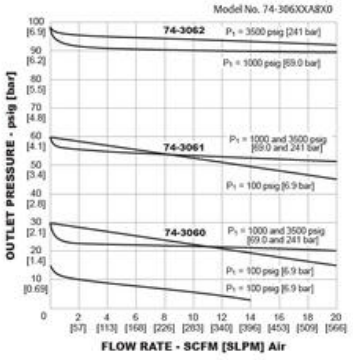


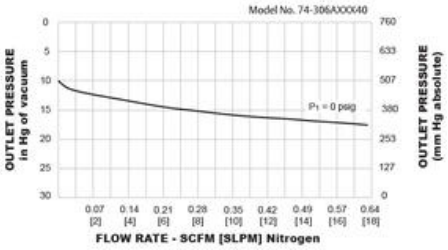




74-30	6		2	K	T6		2	0	
BASIC SERIES	**BODY MATERIAL**	**FINISH**	**OUTLET PRESSURE RANGES**	**SEAT MATERIAL**	**INLET AND OUTLET PORT TYPE AND SIZE**	**'A' ± .06"**	**MAXIMUM INLET PRESSURE**	**GAUGE PORT OPTION**	**NO. OF GAUGE PORTS [SEE FIGURE]**
74-30	**6** – 316L VAR* Stainless Steel Electropolish†	10 R_a	**A** – 100 mm Hg absolute - 15 psig 100 mm Hg absolute - 1.0 bar **0** – 3-30 psig 0.21-2.1 bar **1** – 3-60 psig 0.21-4.1 bar **2** – 4-100 psig 0.28-6.9 bar **3** – 4-150 psig 0.28-10.3 bar	**V** – Polyimide (Vespel®) (3500 psig / 241 bar only) **K** – PCTFE (not available with 3500 psig / 241 bar inlet) **T** – PFA PFA (600 psig / 41.4 bar only)	**T4** – 1/4" Tube Stubs 3.70 **T6** – 3/8" Tube Stubs 3.70 **T8** – 1/2" Tube Stubs 3.70 **RA** – 1/4" Male Swivel 3.70 **RU** – 1/2" Male Swivel 5.59 **RW** – 1/2" Ferrule Swivel 5.59 **SV** – IN Port 1/2" Male Swivel, OUT Port: 1/2" Ferrule 5.59 **SZ** – IN Port 1/2" Ferrule, OUT Port: 1/2" Male Swivel 5.59		**1** – 3500 psig 241 bar **2** – 1000 psig 69.0 bar **3** – 600 psig 41.4 bar **4** – 300 psig 20.7 bar (Absolute only)	**0** – None 0 (Figure A) **1** – 1/4" F.P.T.C. 1 (Figure C) **2** – 1/4" F.P.T.C. 2 (Figure B) **3** – 1/4" F.P.T.C. 2 (Figure D) **4** – 1/4" Male Swivel 2 (Figure D) **5** – 1/4" Male Swivel 1 (Figure C) **6** – 1/4" Male Swivel 2 (Figure B) **7** – 1/4" Female Swivel 2 (Figure D) **8** – 1/4" Female Swivel 1 (Figure C) **9** – 1/4" Female Swivel 2 (Figure B) **S** – 1/4" Fixed Male 2 (Figure B) **T** – 1/4" Fixed Male 1 (Figure C) **U** – 1/4" Fixed Male 2 (Figure D)	

† Per SEMI F19, UHP grade





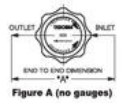
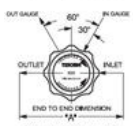


Figure A (no gauges)



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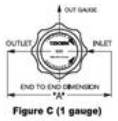


Figure C (1 gauge)

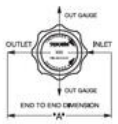
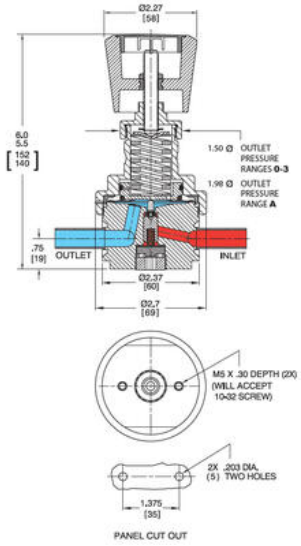


Figure D (2 gauges)



PANEL CUT OUT