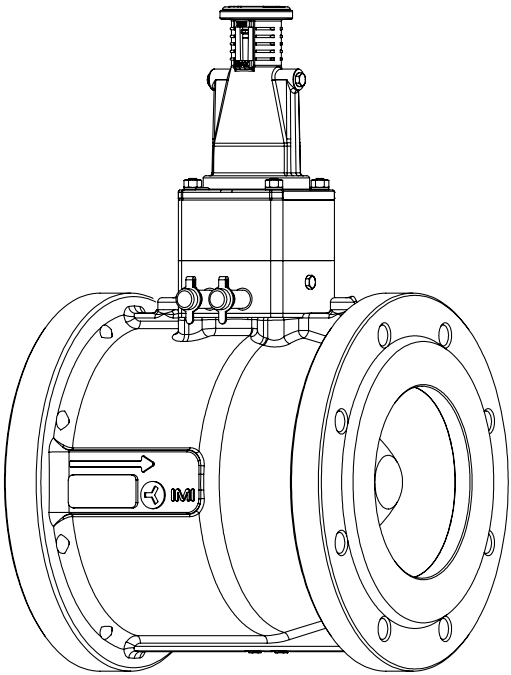
52 762-307
11.2024

IMI TA

TA-PILOT-R



DN Size		**65 2 1/2”**	**80 3”**	**100 4”**	**125 5”**	**150 6”**	**200 8”**
Sp [kPa] / [psi]	ΔH = 0-400 kPa / 0-58 psi	45 / 6.5					
	ΔH = 400-1200 kPa / 58-174 psi	65 / 9.4					
Kv_{min} / Cv_{min}		4 / 5					
Kv_m / Cv_m		75 / 87	110 / 127	180 / 208	270 / 312	400 / 462	600 / 694
q_{max} [m³/h] / [gpm]		53 / 233	78 / 343	127 / 559	191 / 841	283 / 1246	424 / 1867

Sp = Sealing pressure, the increase of ΔpL in kPa (psi) when a Δp controller controls ΔpL from Kv_{min} (Cv_{min}) down to zero flow.
Kv_{min} (Cv_{min}) = m³/h (gpm) at a pressure drop of 1 bar (1 psi) and minimum opening corresponding to the p-band.
Kv_m (Cv_m) = m³/h (gpm) at a pressure drop of 1 bar (1 psi) and maximum opening corresponding to the p-band.
q_{max} = The maximum recommended flow through a Δp controller.
ΔH = Available differential pressure.

Sp = Schließdruck, der Anstieg von ΔpL in kPa wen der Differenzdruckregler das ΔpL von Kv_{min} zum Nulldurchfluss regelt.
Kv_{min} = m³/h bei einem Druckverlust von 1 bar und einer minimalen Ventilöffnung, die dem P-Band entspricht.
Kv_m = m³/h bei einem Druckverlust von 1 bar und einer maximalen Ventilöffnung, die dem P-Band entspricht.
q_{max} = Die empfohlene Maximaldurchfluss durch eine Differenzdruckregler.
ΔH = Verfügbarer Differenzdruck.

Sp = pression de fermeture : Augmentation de la ΔpL en kPa lorsque le régulateur de Δp régule la ΔpL jusqu’au débit nul.
Kv_{min} = m³/h pour une pression différentielle de 1 bar, et une ouverture minimum correspondant à une bande proportionnelle (BP) autour de la consigne.
Kv_m = m³/h pour une pression différentielle de 1 bar, et une ouverture maximum correspondant à une bande proportionnelle (BP) autour de la consigne.
q_{max} = Le maximum recommandé débit à travers un régulateur de pression différentielle.
ΔH = pression différentielle disponible.

Sp = dichtingsdruk, toename van ΔpL in kPa als een Δp regelaar ΔpL regelt van Kv_{min} tot nuldebiet.
Kv_{min} = m³/h bij een drukverschil van 1 bar en een minimum opening overeenkomstig de p-band.
Kv_m = m³/h bij een drukverschil van 1 bar en een maximum opening overeenkomstig de p-band.
q_{max} = de aanbevolen maximale debiet door een drukverschilregelaars.
ΔH = beschikbaar drukverschil.

Sp = Presión de cierre, incremento de ΔpL en kPa cuando el controlador Δp maneja la ΔpL desde Kv_{min} hasta caudal cero.
Kv_{min} = m³/h para una presión diferencial de 1 bar y una mínima apertura correspondiente a la banda proporcional.
Kv_m = m³/h para una presión diferencial de 1 bar y una máxima apertura correspondiente a la banda proporcional.
q_{max} = Caudal máximo recomendado a través de la válvula.
ΔH = Presión diferencial disponible.

Sp = Pressione di tenuta, è l’incremento di ΔpL, in kPa, che avviene quando un regolatore di pressione regola il ΔpL nel campo tra Kv_{min} e la portata nulla.
Kv_{min} = m³/h con una caduta di pressione di 1 bar e minima apertura corrispondente alla banda p.
Kv_m = m³/h con una caduta di pressione di 1 bar e massima apertura corrispondente alla banda p.
q_{max} = La portata massima consigliata attraverso un regolatori di pressione differenziale.
ΔH = Prevalenza utile disponibile.

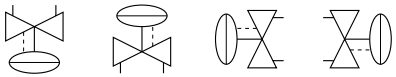
Sp = увеличение ΔpL в кПа при регулировании перепада давления в диапазоне расходов от Kv_{min} до нуля.
Kv_{min} = м³/ч при перепаде давления в 1 бар и минимальной степени открытия, соответствующей диапазону пропорционального регулирования.
Kv_m = м³/ч при перепаде давления в 1 бар и максимальной степени открытия, соответствующей диапазону пропорционального регулирования.
q_{max} ($q_{макс}$) = м³/ч максимально рекомендуемый расход через регулятор.
ΔH = Доступный перепад давления.

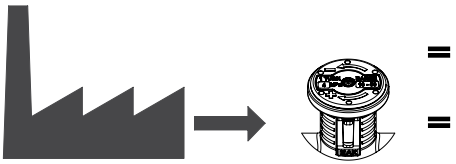
Sp = Stängkraft, ökningen av ΔpL i kPa när differanstrycksregulatorn reglerar från Kv_{min} ner till noll flöde.
Kv_{min} = m³/h vid ett tryckfall av 1 bar och minsta öppning motsvarande p-bandet.
Kv_m = m³/h vid ett tryckfall av 1 bar och största öppning motsvarande p-bandet.
q_{max} = Max rekommenderat flöde.
ΔH = Tillgängligt differenstryck.

-10°C – +120°C / 14°F – +248°F
-10°C – +150°C / 14°F – +302°F

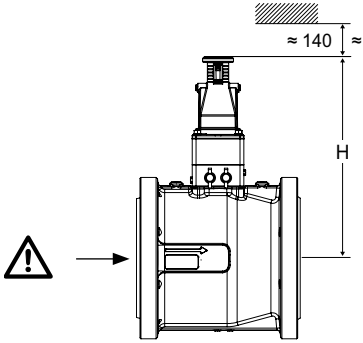
PN 16, PN 25 / Class 150

Max. ΔpV = 1200 kPa = 12 bar / 174 psi



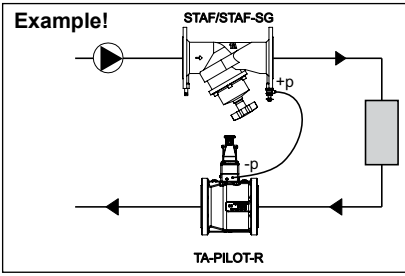


10-50	30-150	80-400	kPa
10	30	80	
1 - 7	**4 - 21**	**12 - 58**	psi
1	4	12	

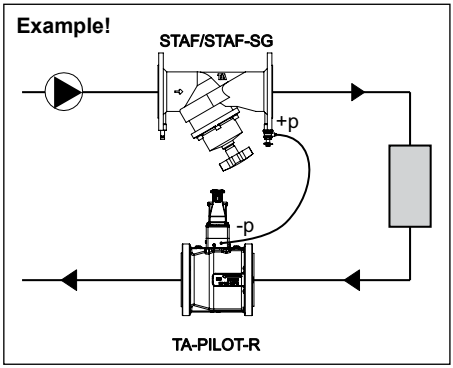


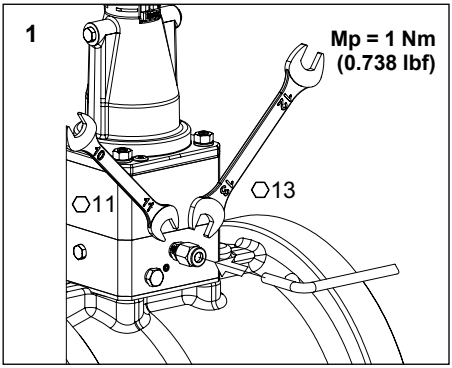
DN	65	80	100	125	150	200
H [mm]	274	281	303	313	331	361
Size	2 1/2”	3”	4”	5”	6”	8”
H [in.]	10.7	11.1	11.9	12.3	13	14.2

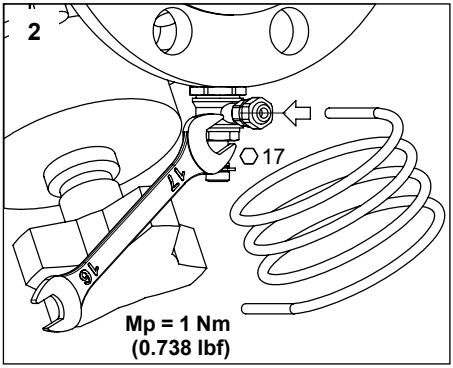
	PN 16	PN 25 Class 150	Class 150
	[kg]	[kg]	[lb]
DN 65 (2 1/2”)	18	18	39.7
DN 80 (3”)	21	21	46.3
DN 100 (4”)	32	34	72.7
DN 125 (5”)	42	45	92.6
DN 150 (6”)	55	57	119
DN 200 (8”)	84	88	188

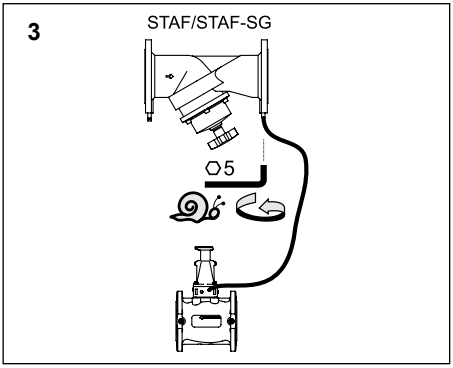


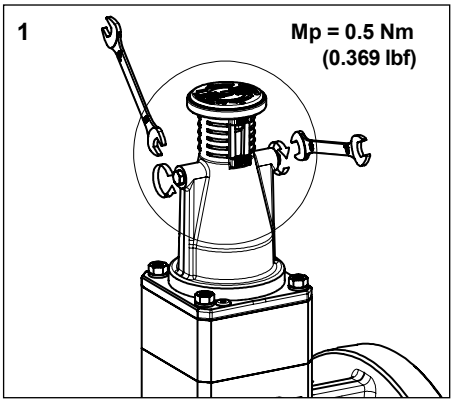
[mm]	[in.]
5	0.197
8	0.315
11	0.433
13	0.512
17	0.669

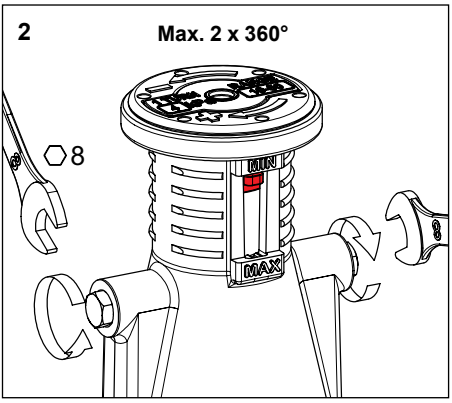

Example!
STAF/STAF-SG
+p
-p
TA-PILOT-R

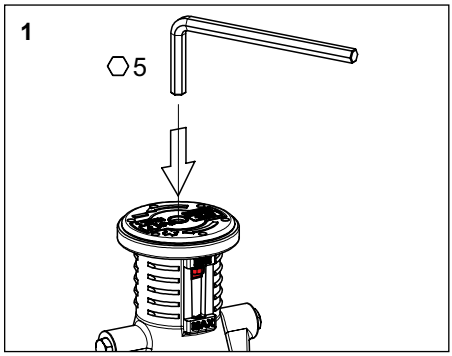

1
Mp = 1 Nm
(0.738 lbf)
⬡11
⬡13

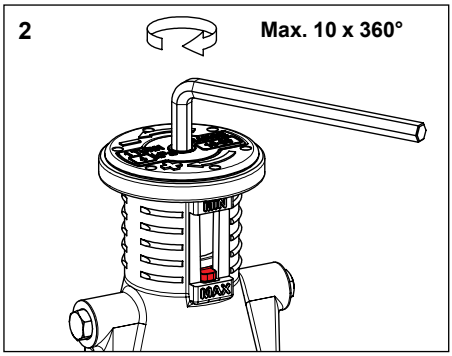

2
⬡17
Mp = 1 Nm
(0.738 lbf)

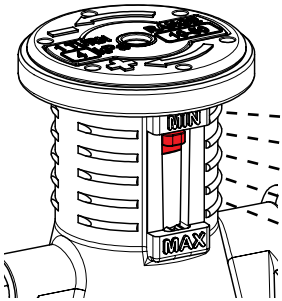

3
STAF/STAF-SG
⬡5


1
Mp = 0.5 Nm
(0.369 lbf)


2
Max. 2 x 360°
⬡8
MIN
MAX

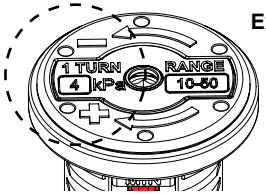


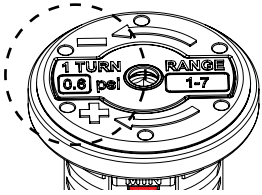




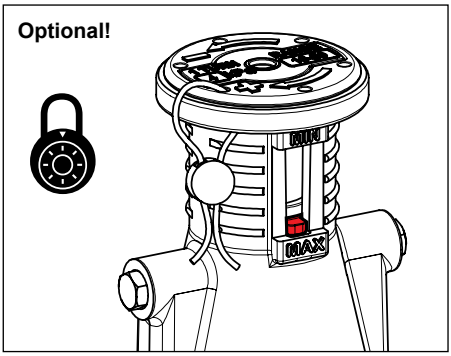
	↻	Settings [kPa] / [psi]					
		10-50 kPa	1-7 psi	30-150 kPa	4-21 psi	80-400 kPa	12-58 psi
Min.	0	10	1	30	4	80	12
–	2.5	20	2.5	60	8.3	160	23.5
–	5,0	30	4	90	12.5	240	35
–	7.5	40	5.5	120	16.8	320	46.5
Max.	10	50	7	150	21	400	58

Example!

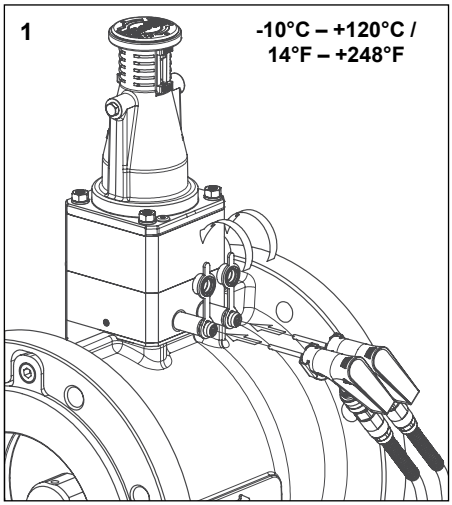


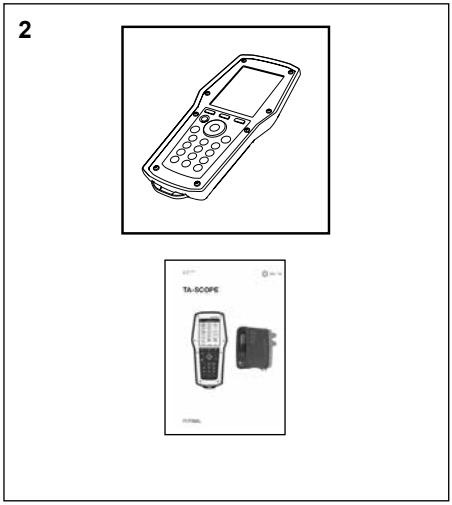


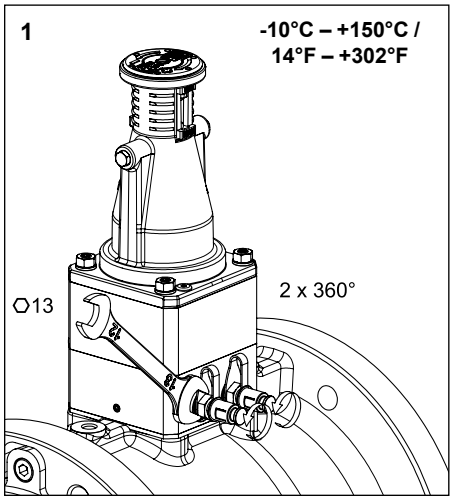
	kPa (psi) / 1 ↻		
	10 - 50 (1 - 7)	30 - 150 (4 - 21)	80 - 400 (12 - 58)
1↻=	4 kPa	12 kPa	32 kPa
	0.6 psi	1.7 psi	4.6 psi

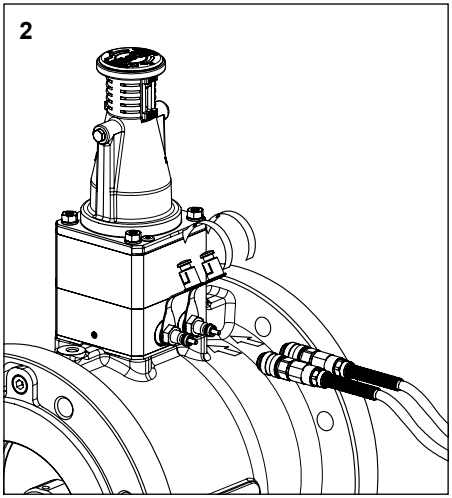

Optional!
MIN
MAX

ΔpL



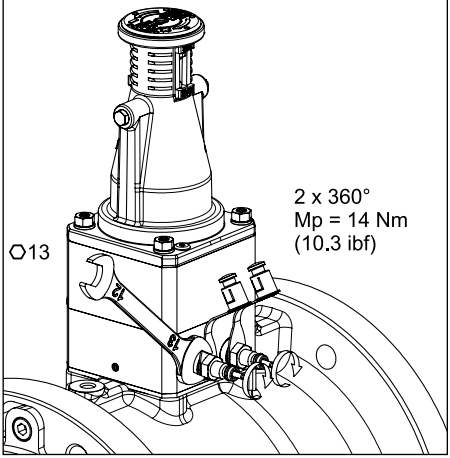






3

4



We reserve the right to introduce technical alterations without previous notice.