



APPROXIMATE RELIEF VALVE DISCHARGE RATES
FOR REDUCED PRESSURE BACKFLOW ASSEMBLIES

MAXIMUM FLOW (GPM) PER DRAIN PIPE SIZE FOR EFFECTIVE DRAINAGE OF R.P. DISCHARGE INTO A VAULT. SEE NOTE BELOW.	
DRAIN PIPE SIZE	FLOW (GPM)
2.5"	105
3"	262
4"	1620

NOTE:

CARE SHOULD BE TAKEN TO ENSURE THAT THE ENTIRE DRAINAGE SYSTEM HAS ADEQUATE CAPACITY TO CARRY THE CONTINUOUS DISCHARGE RATES SHOWN ABOVE. DESIGNER SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATELY SIZED DRAIN LINES FOR THE APPLICABLE RELIEF VALVE DISCHARGE RATE. FOR PARALLEL ASSEMBLIES, THE DRAINAGE SYSTEM SHOULD BE DESIGNED FOR THE DISCHARGE FROM BOTH ASSEMBLIES.



Public Works Standard Drawings

REDUCED PRESSURE BACKFLOW ASSEMBLY
DISCHARGE RATES FOR DRAIN PIPE SIZE

SCALE	NTS
DATE	JAN '23
REV.	
ENGR.	DW
DRAWN	KAE
DRAWING NO.	429